

THE ANNUAL REPORT OF THE SCHOOLHOUSE DEPARTMENT

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ROCHAMBEAU SCHOOL.
JOSEPH McGINNISS Architect.

THE ANNUAL REPORT OF THE SCHOOLHOUSE DEPARTMENT

FROM FEBRUARY 1, 1918, TO FEBRUARY 1, 1919.



Compliments of

Schoolhouse Commissioners

CITY OF BOSTON
PRINTING DEPARTMENT
1919

6949.20

BOSTON SCHOOL COMMITTEE

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BUILDINGS IN CHARGE	OF	SCHO	OI HO	TIC	יתו
				000	E
DEPARTM	EN I	•			
Number of Permanent School Buil	dings				268
Of the above there are in use as St	oreho	ouses, e	tc		3
Number of Portable Buildings .					137
Number of Hired Buildings					18
Giving Class-rooms to the Number	r of				54
Number of New Buildings Finished	d by	Comm	ssion		61
Number of Additions to Building	gs Fi	nished	by Co	om-	
mission					24
Number of Buildings under Constr					
Time					~

ANNUAL REPORT

OF THE

SCHOOLHOUSE DEPARTMENT

FOR THE YEAR ENDING JANUARY 31, 1919.

Hon. Andrew J. Peters,

Mayor of the City of Boston:

Dear Sir,—In accordance with the provisions of chapter 473 of the Acts of 1901, the Board of Schoolhouse Commissioners submits herewith its seventeenth annual report, covering the period from February 1, 1918, to February 1, 1919.

I.

WORK EXECUTED UNDER THE APPROPRIATION FOR LAND AND BUILDINGS FOR SCHOOLS.

(1.) Report of Progress on Buildings Described Last Year and on New Work Undertaken Since Then.

Of the School Committee's list (Bond Issue), 1915–16, the Board reports as follows:

Item 5.— Abraham Lincoln District, School Administration Building. Plans were made and it was intended to build on the site of the Old Probate Building, 30 Tremont street. Owing to an advantageous offer received by his Honor the Mayor, the site was sold. We now await action by the School Committee in regard to the taking of a site.

On Tax Levy list, 1917-18:

Item 3.—Henry L. Pierce District, Dorchester, elementary school, upper grades, completion of building on Dunbar avenue, near Moody street, under construction. This building was completed January 18, 1918.

Item 4.— Robert G. Shaw District, West Roxbury, elementary school, lower grades, Mt. Vernon street, completion of building.

Item 5.—George Putnam District, Roxbury, William Lloyd Garrison Schoolhouse, completion of eight-room addition, under construction.

General contract (all trades) . . . \$85,830 00 \$87,535 23

Item 6.—Roger Wolcott District, Dorchester, elementary school, upper grades, completion of building at the corner of Norfolk and Morton streets, under construction.

Item 7.— Mary Hemenway District, Dorchester, elementary school, upper and lower grades, completion of building on Gibson street, corner of Bispham street.

General contract (all trades) . S137,400 00 S137,614 64

Item 8.— Oliver Wendell Holmes District, Dorchester, elementary school, upper and lower grades, completion of enlargement of building, corner of Glenway and Harvard streets.

General contract (all trades) . . . \$278,000 00 \$275,248 16

Item 9.— Henry Grew District, Hyde Park, Hyde Park High School, completion of addition authorized in 1915.

Original Contract.

Contract To Date.

General contract (all trades).

\$89,990 00 \$120,528 50

Item 13.—Roger Wolcott District, Dorchester, elementary school, land and eight-room building, west of Blue Hill avenue.

> Original Contract.

Contract To Date.

General contract (all trades)

\$117.970 00

\$117,236 87

Item 14.— John Cheverus District, East Boston, elèmentary school, eight-room building, on land adjacent to Blackinton Schoolhouse. The plans for this building have been redrawn

but erection has been delayed on account of the war.

Item 15.— Eliot-Hancock Districts, North End, Charter street, elementary school, lower grades and special class-rooms, single story building, ten class-rooms and in addition thereto a kindergarten, manual training-room and assembly hall, building to be erected with temporary roof to provide for additional stories later.

Original

To Date.

General contract (all trades)

\$166,973 00 \$170,603 73

Item 17.— Dearborn District, Roxbury, extension of vard of Dearborn School for subsequent erection thereon of an eightroom annex with basement, arranged for four prevocational classes. Land and building. The land has been taken and the plans for this building have been drawn and we expect to erect this building early in 1919.

Item 21.— Bowdoin District, West End, extension of yard of Bowdoin School. The Board is waiting for an additional appro-

priation in order to make the proposed taking.

On May 20, 1918, the School Committee, under provisions of chapter 267 of the Special Acts of 1916. appropriated the sum of \$711,931 for the purpose of constructing and furnishing new school buildings, including the taking of land therefor and for school yards and preparing school yards for use.

Thereupon the Board notified the School Committee that it intended to expend this appropriation from the Tax Levy for the following items, this being done after

consultation with the Superintendent of Schools.

Item 1.— Administration Expenses, Schoolhouse Department \$46,000 00 Carried forward . \$46,000 00

Brought forward	\$46,000	00
Additional Provision to Meet Cost of Accommo-		
dations Previously Authorized. Item 2.— Dearborn District, Roxbury, High		
School of Practical Arts, completion of addition (Item 4, 1916)	231	00
Item 3.— Oliver Wendell Holmes District, Dor- chester, elementary school, upper and lower		
grades, completion of enlargement of building,		
corner of Glenway and Harvard streets. (Item 8, 1917)	20,000	00
Item 4.—Henry L. Pierce District, Dorchester, elementary school, upper grades, completion of		
building on Dunbar avenue, near Moody street. (Item 3, 1917)	4,000	00
Item 5.— Martin District, Roxbury, Public Latin School, additional site for proposed new build-	2,000	
ing and plans for same. (Item 16, 1917)	60,000	00
Item 6.—Roger Wolcott District, Dorchester, elementary school, upper grades, completion of		
building, corner of Norfolk and Morton streets. (Item 12, 1916; Item 6, 1917)	99,000	00
Item 7.— Dearborn District, Roxbury, Dearborn School, eight-room building, with basement		
arranged for four prevocational classes. (Item	120,800	00
Item 8.— Eliot-Hancock Districts, North End,		
Charter street, elementary school, completion of Michael Angelo School. (Item 3, 1914, Bond		
Issue; Item 9, 1915; Item 6, 1916; Item 15, 1917)	135,000	00
$Additional\ Accommodations.$		
Item 9.— Agassiz-Bowditch Districts, Jamaica Plain, West Roxbury High School, ten-room		
addition	164,400	00
plans for eight-room unit	15,000	00
plans for six-room building, upper grades, in	10,000	00
vicinity of Mary Lyon School	10,000	00
Item 12.— Martin District, Roxbury, High School		
of Commerce, extension of yard and grading of same	13,000	00
Item 13.— Lewis District, Roxbury, Lewis School, extension of lot	10,000	00
Carried forward	\$697,431	00

Brought forward	\$697,431	00
Item 14.— Washington Allston District, Allston,	,	
Washington Allston School, extension of school		
yard	1,500	00
Item 15.— Prescott District, Charlestown, Abram		
E. Cutter School, extension of school yard	3,500	00
Item 16.— Wells District, West End, Winchell		
School, grading of school yard. (Item 18, 1917),	1,500	00
Item 17.—Oliver Wendell Holmes District, Dor-		
chester, Oliver Wendell Holmes School, grading	W F00	0.0
of yard extension	7,500	00
Item 18.—Bennett District, Brighton, Corey	~00	00
Road School, grading of yard	500	00
	\$711,931	00

In connection with the foregoing list the following is a report of the progress made so far:

Items 3 and 4.— See Tax Levy List, 1917–18.

Item 5.— Martin District, Roxbury, Public Latin School, additional site for proposed new building and plans for same. (Item 16, 1917.)

This additional land was purchased July 1, 1918.

Item 6.—Roger Wolcott District, Dorchester, elementary school, upper grades, completion of building, corner of Norfolk and Morton streets. (Item 12, 1916; Item 6, 1917.) Held up by request of the Priority Board. Plans and specifications are completed.

Item 7.— Dearborn District, Roxbury, Dearborn School, eight-room building with a basement arranged for four prevocational classes. (Item 17, 1917.) Held up by request of the Priority Board. Plans are completed; specifications in progress.

Item 8.— Eliot-Hancock Districts, North End, Charter street, elementary school, completion of Michael Angelo School. (Item 3, 1914, Bond Issue; Item 9, 1915; Item 6, 1916; Item 15, 1917.) Held up by request of Priority Board. Plans and specifications are practically completed.

Item 9.— Agassiz-Bowditch Districts, Jamaica Plain, West Roxbury High School, ten-room addition. Progress delayed by School Committee. Plans and specifications are now being

prepared.

Item 10.— Minot District, Dorchester, land and plans for eight-room unit. Progress delayed by the School Committee.

Item 11.—Bennett District, Brighton, land and plans for six-room building, upper grades, in vicinity of Mary Lyon School. Progress delayed by the School Committee.

Item 12.— Martin District, Roxbury, High School of Com-

merce, extension of yard and grading of same.

Contract Contract. To Date. \$17,893 00

General contract (all trades) . \$13,197 00

Item 13.— Lewis District, Roxbury, Lewis School, extension This land was taken in 1918.

Item 14.— Washington Allston District, Allston, Washington Allston School, extension of school yard. Action on this matter has been delayed.

Item 15.—Prescott District, Charlestown, Abram E. Cutter School, extension of school yard. This land was taken in 1918. Item 16.— Wells District, West End, Winchell School, grad-

ing of school yard. (Item 18, 1917.)

Completed Contract. Contract.

General contract (all trades) . \$1,775 00 \$1,775 00

Item 17.— Oliver Wendell Holmes District, Dorchester, Oliver Wendell Holmes School, grading of yard extension.

Original Contract Contract. To Date. \$7,781 65 General contract (all trades). \$8,000 00

Item 18.— Bennett District, Brighton, Corey Road School, grading of yard.

Original Completed Contract. Contract. General contract (all trades) \$500 00 \$500 00

II.

REPAIRS.

Below find some of the more important items com-

pleted:

Architectural Division.— Chestnut Avenue reinforcing of roof and side walls; South Boston High School, new matron's room; West Roxbury High School, removing tower from old building and changing master's office; Benedict Fenwick School, rebuilding foundation of interior brick walls; Hyde Park High School, alterations of class-rooms for the use of biological laboratory and sewing room; Paul Jones School, rebuilding brick parapet walls; Lewis School, building new lockers in basement; Winship School, rebuilding coal bin and area over same; Oliver Holden School, changing of rear stairway; Elihu Greenwood School, reinforcing of rear wall; Girls' High School, changing class-room and equipment for library: Continuation School, Brimmer street, reinforcing first floor.

Civil Engineering Division.— Moving fifteen portable buildings to various schools. Cleaning and repairing catch-basins and patch paving in 250 school yards. Planting of various yards. Laying granolithic sidewalk at the Wells, Rochambeau and Robert G. Shaw Schools. Rebuilding stone and brick walls at the Stoughton, Benjamin Cushing and Shurtleff Schools. Fences at the Roger Wolcott, Old Mather, Mt. Pleasant Avenue and Canterbury Street Schools. Resurfacing tar concrete yards at the Henry Grew, Oak Square and Roger Wolcott Schools. Preparing and grading yards for use at the High School of Commerce, Winchell and Oliver Wendell Holmes Schools. Tearing down the Old Dearborn School.

Electrical Division.— Electric lights have been installed in a total of seventy-eight rooms, distributed in the following schools: Hyde, Frederic A. Whitney, Gilbert Stuart, Asa Gray, Henry L. Pierce, Thomas S. King, Everett, Minot, Charles Sumner, Brighton High, Blackinton, Clinch, Emerson, Elihu Greenwood, Louis Prang, Louisa M. Alcott, Gaston, Mary Hemenway, Parkman, Hugh O'Brien, Thomas N. Hart, Public Latin, Thomas Dwight, Howard Avenue. The assembly halls in the Charles Sumner, Hyde, Bowditch, Emerson and Christopher Gibson Schools were equipped with electric lights. Underground connections were made to connect school fire alarms with the Boston fire alarm system in the W. L. P. Boardman, Nahum Chapin, Roger Wolcott, Robert G. Shaw, Emily Fifield, Rochambeau, Pauline A. Shaw, and John Cheverus Schools. Clock systems were installed in the Washington Allston School and Annex and the Mary Hemenway School. Interior telephone system was installed in the Emerson School. Woodworking, metal working and printing machinery and equipment were furnished and installed in the Hyde Park High School. Printing and electrical machinery and equipment were furnished and installed in the William Lloyd Garrison School. Sheet metal equipment and machinery were furnished and installed in the Emily Fifield, Rochambeau, Robert G. Shaw and Tyler Street Schools. Additional machinery was furnished and installed in the metal working and sheet metal working rooms of the Continuation School, Common street. Additional sewing machines were furnished and installed in the Continuation School, La Grange street, and the Girls' Trade School. Additional electrical and testing apparatus were furnished and installed in the Mechanic Arts High School. Draughting tables were furnished for the Hyde Park High and Charlestown High Schools. Metal working benches were furnished for the Emily Fifield, Rochambeau, Tyler Street, Robert G. Shaw, Sarah Greenwood and Michael Angelo Schools. Stereopticons and reflect-oscopes were furnished and installed in the Robert G. Shaw, Lawrence and Normal Schools.

Heating and Ventilating Division.— New heating systems installed in the English High and Latin and Hobart Street Schools. Retubing boilers in several schools. Repairs on steam heating apparatus and furnaces in 237 schools and 137 portable school buildings. Additions and changes to heating systems in Lyman, Norcross, John Winthrop, West Roxbury High and Hull

School.

Ш.

CONCLUSION.

The Board wishes to express to your Honor its appreciation of hearty support and active assistance in its efforts to carry out its work, and to the officers of the School Committee for their assistance and coöperation.

Joseph P. Lomasney, James J. Mahar, Commissioners. Frank S. Deland, Acting Commissioner.





APPENDIX I.

APPROPRIATION FOR LAND AND BUILDINGS FOR SCHOOLS.

I.				
Total Appropriations and Credits Rece Department from February 1, 1918, to 1919. Appropriations.	IVED BY THE FEBRUARY 1,			
Balance from last year	\$1,470,712 78 711,931 00			
Expenditures.	\$2,182,643 78			
Amount expended for site, erection and furnishing of new buildings \$550,231 09 Amount expended for adminis-				
tration expenses 34,205 23 Amount expended for enlarging				
school yards	616,484 11			
Amount unexpended February 1, 1919 .	\$1,566,159 67			
II.				
The following statement shows the expenditures on account of the above appropriation from February 1, 1918, to February 1, 1919:				
Appropriations and credits, 1918–19	@0 100 649 70			
	\$2,182,643 78			
Addition to High School of Practical Arts. Building	\$2,369 39			
Building				
Building				
Building				

Brough	t forwa	ard .				. \$22,287	88
A dditi	on to F	Hude	Park	Hiah	School.		
						59	
Furnishings					\$29,601 & 20,180 &	53	
1 dimisinings	, .		•		20,100 8	- 50,782	05
						00,102	00
	Publ	lic La	tin Se	chool.			
Site .						. 26,380	84
	·		·	·		. 20,000	0.1
Eliot-Han	cock L	Distric	ets, Lo	ower 1	Elementary.		
Building			· .			. 89,309	32
Oliver Wen		Holme. entary			Lower El	le-	
Building					\$112,565 7	70	
Building Furnishings					1,204 3	35	
						— 113,770	05
Henry L.	Pierce- I	-Marı Eleme	j Hei ntary	menw •			
Site .					\$6 8 30,675 2 7,463 9	80	
Building					30,675 2	26	
Furnishings					7,463 9	97	
						- 38,146	03
D. 1	~ ~	T) (773			
Robert	G. She	aw Di	strict,	Elen	nentary.		
Site					nentary. \$27-7 14,760-8 8-905-8	76	
Building					14,760 8	32	
Furnishings					8,905 8	,,,	0.0
						- 23,694	38
II T	0	Dist.	*t T? I	7	James Cabaal		
Henry L. H	rerce.	Distri	ci, El	emen.	iary School.	•	
Site					\$6 8 27,133 3	80	
Building Furnishings	•			٠	6,603 9	32	
Furnishings	•				0,003 9		10
						55,744	10
Roger Wo	lcott D	istric	t, Ele	menta	ry School.		
						80	
Site . Building				·	18.106 7	$\dot{2}$	
Furnishings						28	
S						- 21,402	60
Roger Wo		Distric Ave			Blue Hill		
Building						84,553	11
Carried	forwar	rd .				. \$504,070	36

Schoolhouse Department.	13				
Brought forward	\$504,070 36				
John Cheverus District.					
Building	126 50				
Dearborn District, Extension of Yard and Annex.					
Site	10,172 53				
Portable Building, Bennett District.					
Building	826 05				
Addition to William Lloyd Garrison School.					
Site \$6.85					
Building 39,474 88					
Furnishings	35,035 65				
Winchell School, Enlargement and Preparation of Yard.					
Grading	1,621 86				
High School of Commerce, Extension and Grading of Yard.					
Grading	11,412 18				
Corey Road School, Grading of Yard.					
Grading	495 00				
Francis Parkman School, Grading of Yard.					
Grading	328 75				
Lewis School, Extension of Lot.					
Site	9,600 00				
Longfellow District, Enlargement of Longfellow School Yard.					
Site	1,786 25				
Oliver Wendell Holmes School, Enlargement and Grading of Yard.					
Grading	6,803 75				
Carried forward	\$582,278 88				

$Brought\ forward.$					\$582,278	88
Administration	Exp	enses	3.			
Salaries of employees .			\$31,933	70		
Automobile care and	ma	in-				
tenance Printing and advertising			1,710	71 60		
Blueprint paper	•		182			
Photographic supplies			51			
Supplies			103			
Stationery			146	21	24.00	20
		,			34,205	23
					\$616,484	11
Amount voted for and expended to date for si- furnishing of new build expenses, fire protect	tes, d lings tion	const , adi and	ruction a ministrat l enlarg	and cion ging		
school yards					1,566,159	67
					\$2,182,643	78
Elementary schools .					\$471,415	93
High schools					110,862	95
Administration expenses				. *	34,205	23
					\$616,484	11

APPENDIX II.

APPROPRIATION FOR REPAIR AND ALTERATION WORK, FOR FURNISHING AND REPLACING FURNITURE AND EQUIPMENT IN OLD BUILDINGS, REPAIRS TO FURNITURE, EQUIPMENT, ETC., RENTS AND TAXES, AND EXPENSES OF THE COMMISSION.

I.

GENERAL STATEMENT.

During the year February 1, 1918, to February 1, 1919, the following sums were expended by the Schoolhouse Department for repair and alteration work, for furnishing and replacing furniture and equipment in old buildings, repairs to furniture, equipment, etc., rents and taxes, and expenses of the commission:

February 1	, 1918,	appropriation				\$575,059	16
------------	---------	---------------	--	--	--	-----------	----

Repairs and Equipment.

Carpentry:							
Repairs						\$66,617	74
Alterations						2,355	08
New floors						1,096	54
Hardware						10	90
Furniture and	E_q	quipm	ent:				
New furnit	ure					35,682	75
Furniture r	epa	irs				23,905	82
New curtai	ns					1,869	20
Curtain rep	air	s .				3,379	35
New clocks						117	50
Clock repai	rs					1,892	90
Electric clo	ck	instal	llati	on		225	00
Electric clo	ck	main	tena	nce		1,620	72
Industrial	app	parat	us	instal	la-		
tion .						986	65
Industrial	ap	parat	us	main	te-		
nance						357	73
,							
Carried for	orw	ard				\$140,117	88

Brought for	ward				\$140,117	88
Brought for Manual train	ing ar	nd p	revo	ca-	, , , , ,	
tional appa	ratus	insta	шан	on.	1,227	10
Manual train	ing ar	nd p	revo	ca-	·	
tional ap	paratu	ıs	main	te-		
nance .					149	
Reflectoscope	instal	llatio	n		432	
Reflectoscope	main	tenai	nce		83	29
Vacuum clear						
Vacuum clear	ning m	naint	enan	ce,	174	
Rubber tread			ting	•	1,870	
Gymnasium a	ıppara	tus	•	•	13	92
Blackboards:						
New					535	20
Repairs .					5,191	38
· ·					- ,	
Plumbing:						
Repairs .	٠.				65,127	86
754						
Roofing:						
Repairs .					15,411	10
Painting:						
v					22.000	00
Painting .		•	•	•	32,999	82
Glazing .		•	•	•	11,784	11
Heating:						
Repairs .					88,795	25
Ventilation .	·				540	
			·	·		
Care of Grounds						
Gypsy moths					646	
Planting .					1,167	61
16						
Masonry:					00.000	0.1
Repairs .	•	, .	•	٠	33,398	21
Asphalt and o	concre	te	•	٠	3,177	14
Catch-basins	٠	•	•	•	3,703 320	64 52
Grading .	٠	•	•	•	5,452	71
Paving . Plastering .	•	•		•	3,268	
Waterproofing	·	•	•	•	3,200	21
waterproomi	ъ́ •		•			
Locks and Bells:						
Bells and te	elepho	ne i	nstal	lla-		
tion	1.				1,366	59
Carried foru	vard		•		\$416,954	65

Brought forward	. \$416,954 65
Bells and telephone main	t.e_
nance	. 2,599 24
nance	3,402 25
	. 0,102 20
Gas and Electrical:	
Electric light installation Electric light maintenance	25,345 01
Electric light maintenance	3,256 50
Gas appliance installation Gas appliance maintenance	. 588 58
Gas appliance maintenance	. 1,262 43
	•
Fire Protection:	
Fire alarm installation	3,282 03
Fire alarm maintenance	2,589 72
Fire escapes (new)	6,578 05
Fire escapes (new) Fire escapes (repairs) Fire extinguishers	. 446 53
Fine extinguishors	1,239 32
Fire extinguishers	2,085 20
Fire protection	. 2,089 20
16: 11	
Miscellaneous:	. 1,372 89 . 1,316 05 . 4,843 72
Care and cleaning Flagstaffs Iron and wire work Janitors' supplies	. 1,372 89
Flagstaffs	. 1,316 05
Iron and wire work	. 4,843 72
Janitors' supplies .	343 68
Motors and engines Teaming	2,600 46
9	,
Administration Exp	enses.
Salaries, commissioners and cle	
Salaries inspectors	. 27,605 22
Advantising	01 15
Automobile expenses	81 15 7,679 79
Salaries, inspectors Advertising Automobile expenses Boiler insurance Car fares, traveling expenses	. 7,079 79
Doller insurance	150 49
Car fares, traveling expenses	1,732 51
Electric lighting of offices	11 30
Expert services	1 700 00
Furniture	. 1,769 36
Postage	. 316 00
Printing	. 464 04
Stationery	. 761 76
Subscription	305 70 ,
Postage Printing Stationery Subscription Sundries Telephone	59 54
Teaming	. 13 50
Total repairs and administra	ation expenses . \$532,273 67
Carried forward	

Brought forward	\$532,273 67
Hired Buildings, Rents and Taxes.	
Barham Memorial Church \$600 00	
Boylston street, 48 1,050 00	
Bowdoin and Claybourne streets, 120 00	
Columbus avenue, 627 (Saranac	
Apartments)	
Apartments)	
tees' Building) 800 00	
Everett Square Theater 20 00	
Franklin Union 5,916 00	
Glenway and Harvard streets . 600 00 Hanson street, 1 . . . 744 00 Harvard street, 111 	
Hanson street, 1	
Harvard street, 143–145 600 00	
Hull street, 24	
Hyde Park Gymnasium 800 00	
La Grange street, 25 5,451 00	
Moon street 10,595 00	
National Theater	
1 armenier succe, 20	
Saratoga street, 66 600 00	
Tileston street, 52 858 00 Tremont street, 218 4,573 33 Tremont Temple 175 00	
Tremont street, 218 4,573 33	
Tremont street, 218 4,573 33 Tremont Temple 175 00 Walnut avenue and Walnut park, 930 00	
Walnut avenue and Walnut park, 930 00 Willowwood street, 3 1,500 00	
Willow wood street, 5 1,500 00	
· Total rents and taxes	40,527 33
Grand total	\$572,801 00
Grand total	\$512,501 00
Balance returned to School Committee	\$2,258 16
11	
II.	
SUBDIVISION OF EXPENDITURES.	
Elementary schools	\$357,192 45
Administration expenses and incidentals	85,751 44
High schools and Normal School	107,153 65 14,607 78
Special schools	8,095 68
School Committee quarters	
	\$572,801 00



WILLIAM LLOYD GARRISON ADDITION.

Newhall & Blevins, Architects.



APPENDIX III.

HIRED BUILDINGS.

I.

Rooms in the following buildings have been hired for school purposes; rents, taxes, water rates, heating, lighting and janitors' expenses paid for the same, amounting to \$40,527.33, during the year from February 1, 1918, to February 1, 1919.

For	Location.	Remarks.
Compulsory Continuation School,	La Grange street, 25	Rent per annum \$4,000, city to furnish heat, light and water and pay taxes.
Continuation School	Young Men's Christian Union Building, 48 Boyls- ton street.	Rent per annum \$750, including heat, light and janitor's service.
English High School	Franklin Union, Berkeley and Appleton streets.	Rent per annum \$4,450, including heat and janitor's service.
English High School	National Theater, Tremont street.	Used for graduation exercises. Rent for same \$150.
Eliot District, two special classes,	Hull street, 24	Rent per annum \$420, city to furnish heat and janitor's service.
Eliot District, special classes	North Bennet street, 39	Rent per annum \$3,110, including heat, light, janitor and water.
Eliot District, Continuation School.	Tileston street, 52	Rent per annum \$900, including heat, light and janitor's service.
Franklin District, Cooking Room,	Hanson street, 1	Rent per annum \$744, including heat and janitor's service.
George Putnam District, Kindergarten.	Walnut avenue	Rent per annum \$720, including heat and janitor's service.
Girls' High School	Tremont Temple, Tremont street.	Used for graduation exercises. Rent for same \$175.

20 Annual Report of Schoolhouse Department.

HIRED BUILDINGS .- Concluded.

For	Location.	Remarks.
Hancock District	Moon street	Reut per annum \$11,700 including heat and janitor's service.
Hancock District, Grammar and Special Classes.	Parmenter street, 20	Rent per annum \$120, including heat, light and janitor's service.
Hyde, Cooking Room	Columbus avenue, 627	Rent per annum \$420, includes all expenses.
Hyde Park High School	Young Men's Christian Association Gymnasium.	Reut per annum \$800, includes all expenses.
Hyde Park High School	Everett Square Theater	Used for graduation exercises. Rent for same, \$20.
John A. Audrew District.	Barham Memorial Church, corner Dorchester and Vinton streets, South Boston.	Rent per annum \$600, including heat and janitor's service.
Manual Training School	Eliot street, Jamaica Plain	Rent per annum \$800, including heat and janitor's service.
Oliver Wendell Holmes District	Bowdoin and Claybourne streets.	Rent per annum \$360, city to furnish heat.
Roger Wolcott District, Primary Class.	Glenway and Harvard streets.	Rent per annum \$600, city to furnish jani- tor's service, etc.
Roger Wolcott District, Kindergarten.	Harvard street, 111	Rent per annum \$780, includes all expenses.
Roger Wolcott District, Primary Classes.	Harvard street, 143–145	Rent per annum \$600, city to furnish jani- tor's service, etc.
Roger Wolcott District	Willowwood street, 3, Harvey Hall.	Rent per annum \$1,500, includes all expenses.
School Committee	Tremont street, 218	Rent per annum \$3,720, including heat, light and water service.
Ulysses S. Grant District, Special Class.	Saratoga street, 66	Rent per annum \$600, city to furnish jani- tor's service, heat, light and water.

APPENDIX IV.

Table Showing Cost of Buildings, Cost per Cubic Foot, Children Accommodated and Cost per Pupil.

Nore.—Rated number of pupils and cost per pupil in elementary schools are figured by actual number of pupils for which the building was originally planned to accommodate in class-rooms only. Par Lower Blenentary, G = Upper Blenentary. H = High. S = Special. Cubical contents is figured according to rule of National Association of School Accounting and Business Officials of Public Schools.

	Cost per Pupil.			758 \$164 20	192 14	210 82	177 87	199 78	203 17
	modated.	Children Accommodated.		758	976	714	643	612	1,038
	Cubic Feet, Class-room.			37,000	50,000	47,000	36,000	43,000	45,000 1,038
	Sosr.	Elec.	Cents.	9.	e.	9.	ο.	9.	9.
	ON CON R TO C	Plumb.	Cents.	-	1.1	1.1	1.2	1.1	00
	PROPORTION CONTRACTS BEAR TO COST PER CUBIC FOOT.	Heat.	Cents. Cents. Cents. Cents.	1.9	1.7	67	2.3	1.8	83
	PRAC PRAC	Bldg.		20.9	17.5	20.8	20.7	19.6	21.7
	Sidu	Cost per Foot.	Cents.	24	20.9	24.6	25	23.1	25.1
	Contents.) [səidu)		516,624	900,215	611,913	457,011	529,994	839,446
	crs r or	EJec.	Per Ct.	2.6	ಣ	2.7	3.1	2.8	2.5
	Contra al Cost ing.	.dmulq	Per Ct.	6.	5.1	4.	4.7	4.6	3.1
	Percentage Contracts Bear to Total Cost of Building.	Heat.	Per Ct.	7.6	∞	<u>w</u>	9.1	7.9	00
		Bldg.	Per Ct. Per Ct. Per Ct. Per Ct.	85.6	6.0	84.5	83.1	84.7	86.4
	Total Cost of Building.				188,524 56	150,526 43	114,370 35	122,267 20	210,890 49
DOIS.	Building, Heating, Plumbing and Electrical Contracts.		B., \$106,516 75 II., 9,483 00 P., 5,197 00 E., 3,270 90	B., \$158,189 52 H., 15,132 40 P., 9,580 29 E., 5,622 35	B., \$127,262 98 H., 12,432 00 P., 6,821 45 E., 4,010 00	B., \$95,095 75 H., 10,376 00 P., 5,324 00 E., 3,574 60	B., \$103,569 20 H., 9,625 04 P., 5,658 11 E., 3,414 85	B., \$182,261 94 H., 16,927 15 P., 6,449 90	107'0
	ruction.	Class of	lst	lst	lst	Ist	1st	Ist	
in I		Grade.	J.	Ö	e.	٥.	ď	Ö	
10 0	fo sinoons.	Number Class-	15	18	14	11	12	10	
Omeran	Date of Completion.		1903	1903	1904	1904	1904	1904	
recommends and plantages of the remotive	NAME OF	NCHOOL BULDING.	Marshall,	William E. Russell	Farragut	Paul Jones	Ellis Mendell	Jefferson	

Table Showing Cost of Buildings, Cost per Cubic Foot, Children Accommodated and Cost per Pupil. - Continued.

Note.—Rated number of pupils and cost per pupil in elementary schools are figured by actual number of pupils for which the building was originally planned to accommodate in class-rooms only. P = Lower Elementary. G = Upper Elementary. H = High. S = Special.

	Cost per Pupil.			\$208 68	961	791	189	650 175 36 770 182 17
	Children Accommodated.			1,560	1,100		27.0	– i
	Cubic Feet, Class-room.			43,000 1,560 \$208	30,000 1,100	32,000	44,000	42,000 1,650 52,000 770
	- OST	Elec.	Cents.		o 1	:	∞ .	۶. 9.
	TO CON	-dmulq	Cents. Cents.	8	1. 0	, ·	∞	<u>ත</u> . ∞ ු
	PROPORTION CON- TRACTS BEAR TO COST PER CUBIC FOOT.	Heat.	Cents.		N G	5.		2. 2. 2. 2. 2. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3.
	PR TRACT	Bldg.	Cents. Cents.	22.4	13.6	21.0	19.9	19
	OlduO	Cost per Foot.	ıts.		7. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1.	6.02.3	24.5	22.8 19
	.stnstno	Oubical		1,173,323	(47,519	442,032	596,672	1,267,043
	TS F OF	Elec.	Per Ct.		Zi 0	0 0	m m	60 62
	Contra fal Cos ing.	.dmulq	Per Ct.	6.6	D (w v	4 4
opena.	PERCENTAGE CONTRACTS BEAR TO TOTAL COST OF BUILDING.	Heat.		× × ×	4, ,	T. 1	12.1	9.6
2		Bldg.	್ರೆ	180 2	n 0	о т ,	81.1	83.4
.y. 11 111gm	Total Cost of Building.			\$325,541 60		112,869 00	146,145 63	289,332 99
opper memericary.	Building, Heating, Plumbing and Electrical Contracts.		B., \$263,661 16 H., 28,305 94 P., 21,417 05 E., 12,157 45	B., \$136,966 08 H., 16,244 00 P., 15,519 00 E., 4,783 00	B., \$95,712 50 H., 10,227 00 P., 4,040 00 E., 2,859 50	B., \$118,497 38 H., 17,621 50 P., 5,094 00 E., 4,932 75	B., \$241,098 44 H., 27,807 00 P., 11,645 50 E., 8,782 05	B., \$113,769 15 H., 15,994 04 P., 6,038 00 E., 4,466 38
	Construction.		1st	1st	1st	1st	1st	1st
. K 10.	Grade.		G	ਰ:	다.	Ö	٠ ن	G
	lo .smoo:	Number of Class-rooms.		24	14	14	30	14
The second cases a second case of the second cases of the second c	etion.	Date of Completion.		1904	1904	1904	1905	1905
	NAME OF SCHOOL BULDING.		Washington	Christopher Columbus	John Boyle O'Reilly	Oliver Hazard Perry	Mather	Thomas Gardner
				22	,		H	

	84	73	61	10	72	30	26	80	93
	159	183	195	156	174	161	139	166 09	151
	1,224	644	1,100	478	612	480	1,152	476	447
	41,000 1,224	31,000	47,000 1,100	32,000	34,000	33,000	29,000 1,152	35,000	31,000
	<u> </u>	∞.		<u>∞</u>	ω	<u>ත</u>	r-	∞.	
	∞.	1.1		2.1	1.2	1.3	1.1	1.1	1.1
	2.2	2.3		53 50	2.1	2.7	oi ∞	4.2	2.7
	16.4	22.4	18.6	19.9	22.4	19.5	19.3	19.3	19.7
	80	26.6	22.1	24.4	26.5	24.4	23.9	23.6	24.5
	975,429	444,449	980,948	305,598	407,184	317,733	674,872	334,404	276,739
	3.1	2.9	25.3	4.	3.1	3.7	m	3.4	3.8
	4.1	4.2	4.1	4. ∞	4.5	تن تن	4.7	4.6	4.6
	11.2	∞ ∞	9.6	10.1	8.1	10.9	11.6	10.1	11.1
	81.6	84.1	2 8	81.7	84.3	6.62	2.08	81.9	80.5
	195,648 02	118,324 64	217,131 32	74,736 15	107,818 00	77,423 25	161,194 23	79,057 77	67,912 07
, \$159,563 85 ., 21,930 18 8,037 00 6,116 99	\$99,527 64 10,447 00 4,990 00 3,360 00	\$18	\$61,053 55 7,540 70 3,551 00 2,590 90	\$90,867 00 8,767 00 4,889 00 3,295 00	1	99	\$64,745 25 7,951 00 3,667 91 2,693 61		7,011
世 五	삪프린	1	면표면	HH H	짜보다			mHG	1
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D	편	<u>.</u>	Б	P.		<u>ч</u>	- P	9 P.	
	14	21	10	5 12	10	24	10		
190	1905	1905	1905	1905	1905	1905	1906	1906	
Oliver Wendell Holmes 1905 24 G.	Samuel W. Mason	Dearborn	John Greenleaf Whittier	James Otis	Joseph Tuckerman	Sarah J. Baker	William E. Endicott	Nathaniel Hawthorne	

Nore.—Rated number of pupils and cost per pupil in elementary schools are figured by actual number of pupils for which the building was originally planned to accommodate in class-rooms only. P = Lower Elementary. G = Upper Elementary. H = High. S = Special. Table Showing Cost of Buildings, Cost per Cubic Foot, Children Accommodated and Cost per Pupil.—Continued.

	Cost per Pupil.		540 8548 25		6	6 60		20 012	614 175 17
	modated.	noablid") moss/.	540		C 15	9	3	¥05	614
	the cont.	Cubic Feet, Class-room.				:		73,000	.9 32,000
	OST	Elec.	Cents.					1	6.
	R TO C	-damlq	Cents.		r.	1 . ,	7 . ,	- -	6.
	PROPORTION CONTRACTS BEAR TO COST PER CUBIC FOOT.	Heat.	Cents. Cents. Cents. Cents. Cents. 27 23.1 1.7 1.3 .9			7	 		က
	PRACTRAC	Bldg.	Cents. 23.1		6	1.07	<u>.</u> 8		16.2
	Oubic	Cost per Foot.			i c			†.	21
	'entents.	O lesidu')	1,098,693		90 90	T,100,304	1,100,002,	,21,03,	511,633
	CTS F OF	Elec.			0	n (n o	4.1
	Percentage Contracts Bear to Total Cost or Building.	•dınul9	Per Ct. Per Ct. Per Ct. 85.5 85.5		•	#1	t -	4	4.3
	ENTAGE TO TO BUIL	Heat.	Per Ct. 6.3		- t	1	- 1	:	14.5
	Perc Bear	Bldg.	Per Ct. 85.5		3	# · · · · · · · · · · · · · · · · · · ·	÷ 5	#. &	77.1
	Total Cost of Building.		\$296,055 79		200 000	1000.000 1000.000	1000 TO 000 TO 0	197.000	107,515 43
	Building, Heating, Plumbing and Electrical Contracts.		B., \$253,157 94 II., 18,711 25 P., 13,970 00 E., 10,216 00		B., \$256,226 12 H., 23,426 41 P., 12,144 73 E., 11,739 48	B., \$254,870 43 H., 23,302 47 P., 12,080 47 E., 11,677 37	B., \$166,750 33 H., 15,245 76 P., 7,903 71 E., 7,639 98	B., \$82,868 43 H., 15,542 00 P., 4,665 00 E., 4,440 00	TITO
	Class of Construction		1st		lst lst	7	1st	1st	1
	Grade.		H. 1		mini	H.	5	5	
1	Zumber of Class-rooms.				1		17	TT.	
	E Date of Completion.			1907	1907	1907	1909		
	W. W. W.	School Building	Charlestown High	NORMAL AND LATIN GROUP.	Common Building Normal School*	Girls' Latin*	Patrick A Collins*	Edward Everett	
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90	28,000	30,000	24,000	:	27,564			28,963 1,820	1.3 27,534 352 † Roof second class
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9		2.2	21.3	20.4	8.61	18.8	17.8	02	23.7
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609 000	529,056	228,581	427,952	543,029	262,410	518,053	474,887	1,149,645	217,382 same is an
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\$54,599 35 6,682 00 3,397 47 2,553 00	\$80,268 04 11,975 00 5,040 31 4,793 00	\$91,333 05 7,977 00 4,485 95 4,283 50	\$110,996 60 12,933 00 6,170 37 4,762 68	\$51,950 30 6,688 00 3.823 18 3,690 00	\$97,396 70 9,716 50 3,274 39 4,075 00	\$84,553 84 11,701 50 5,668 00 5,595 00	\$229,396 \$5 24,097 58 15,381 00 11,213 00	\$51,564 96 5,321 34 3,544 84 2,703 50	*Common Building is used in common by the Normal, Girls' Latin and Patrick A. Collins Buildings and cost of same is apportioned proportionately.
목표인적	EFTE.	폭극학족	* * *			독극학	ж. 	보고 : : : : : : : : : : : : : : : : : : :	ne No
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Nathan Hale f 1909 12			Dorchester High Addition, 1910	William Lloyd Garrison	Girls' High Addition 1910	Samuel Adams	Abraham Lineoln		hilding
÷	en en	a	ligh A	rd Gar	Additio	sa	neoln.		I nou
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Nathar	John Cheverus.	Peter Fancuil.	Dorche			Samuel	Abraha	Lafayette	*
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* Common Building is used in common by the Normal, Girls' Latin and Patrick A. Collins Buildings and cost of same is apportioned proportionately.

Table Showing Cost of Buildings, Cost per Cubic Foot, Children Accommodated and Cost per Pupil.—Continued.

Nore.—Rated number of pupils and cost per pupil in elementary schools are figured by actual number of pupils for which the building was originally planned to accommodate in class-rooms only. P = Lower Elementary. G = Uppe Elementary H = High. S = Special.

Pupil.	Cost ber			66 0 1 1		76 781	156 69	141 74
.botsbom	Children ntoooA	-	172 \$130	938	\$ 6	\$	352	822
-moo	Cubic Fe	-	24,861	30,447	000:15	42,780	26,035	32,898
OST	Elec.	Cents.	9.			v.	-	œ.
ORTION CON- BEAR TO CC CUBIC FOOT,	Plumb.	Cents.	7		n. ,	-	1.3	6.
	Heat.	Cents.	4. 0	o	2, c	N	4.2	2.3
PROP TRACTS PER	Bldg.	Cents. Cents. Cents. Cents.	18.7	2.7.1	0.4.0	0.61	21.4	15.8
oidu)	Cost per Foot.	ts.	6.77	8.12	18.0	4.61	26.1	8.61
Contents.	• Tasida')		98,155	361,263	095,007	67.67.0 1	206,259	586,270
CTS C OF	Elec.	Per Ct.	9	44 - 4 44 - 6	÷ ,	4. G		3.9
CONTRA AL COST	Plumb.	Per Ct.	4. °C ,	o -	× ×		2.5	4.7
Percentage Contracts Bear to Total Cost of Building.	Heat.	Per Ct.		× 9	7: 7:	2	9.1	11.8
Perc Bear	Bldg.	Per Ct. Per Ct. Per Ct.	7.18	× 1 × 2	, , ,	90.0	81.9	9.62
Total Cost	Building.		\$22,510 25				55,154 50	116,509 09
Building, Heating, Plumbing	and Electrical Contracts.	\$18,395 25 2,310 00 1,205 00 600 00	\$64,545 73 6,980 00 3,900 00 3,500 00	\$87,073 54 13,500 00 5,300 00 4,800 00	\$106,492 55 13,189 50 6,543 50 5,952 55	\$45,153 50 5,000 00 2,900 00 2,101 00	\$92,797 91 13,722 05 5,451 13 4.538 00	
		- 연표 다 현	WHY.	전 표 단 편	WHO!	백백학	西田では	
Class of Construction.		2d	2d	2d	2d	2d	2d	
Class-rooms.		Р.	Б .	<u></u>	5	전.	ڻ ت	_
Jo.	resel!)	4	12	16	16			
etion.	Date of Compl	1911	1911	1911	1911	1912	1912	
NAME OF	Scноог Вуплика.	John Lothrop Motley	Charles Bulfinch	John Winthrop	Edmund P. Tileston	George T. Angell	Ulysses S. Grant.	
	35	John	Charl	John	Edm	Geor	Ulyss	

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		*			121		155		- 1
1	877	040	7 00	000	366		loo Page		333
1	37,775	600,02	01,010	:	28,637	27,133	31,912	017.67	38,151
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1		- F	1:1	0.1	1.5	1.7	1.5	† · · ·	1.3
(2) 0	0 4	4. 0	4	2.9	7. 2	, c	0.	2.7
3	4. 2	10.0	7.01	0.01	14.9		10.0	0.11	14.5
- !	71	13.7	77	7.0.1	8.8	21.4	19. b	3	19.8
	634,628	200,492	240,000	22,086	225,437	107,228	129,929	17,000	300,923
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;	11.7	3 3	* :	11.1	8.8	12.6	11.5	12.3	13.4
í	E 2	9.00	# 0 0 1	0.5	75	77.3	1 6.0	· .	73.4
	108,090 29	2,00,20	42,114 OF	00,000	44,589 76		24,007 91	09,105 44	59,663 75
\$85,416 29 12,600 00 4,600 00 5,474 00	\$49,356 45 8,150 00 3,331 00 2,044 00	\$32,638 04 5,987 00 2,700 00 1,389 00	\$60,354 12 8,864 24 4,940 80 5,498 79	\$33,460 15 6,600 00 3,384 50 1,145 11	\$17,690 00 2,870 00 1,816 00 515 00	\$19,474 91 2,828 00 1,853 00 402 00	\$53,538 44 8,500 00 4,100 00 3,000 00	\$43,822 25 8,000 00 4,020 90 3,820 60	
목무막	当年15年	독표학	독표학	학교학	E H L L	1 .	E, H, T, E,	minini mi	1 1
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G.	٦.	۵.	Ħ	P.	P.	ದ	Ъ.	٦.	
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1912 17 G.	1912	1912	1912	1913	1913	1913	1913	1913	
Lewis	Benedict Fenwick	William Bradford	Roxbury High Annex	Ellen H. Richards	Mozart	Martha A. Baker	John J. Williams	John D. Philbrick *	
Ä	ğ	=	22	<u>a</u>	Z	Z	Jo	Jo	

Nore.—Rated number of pupils and cost per pupil in elementary schools are figured by actual number of pupils for which the building was originally planned to accommodate in class-rooms only. P = Lower Elementary. G = Upper Elementary. H = High. S = Special. Table Showing Cost of Buildings, Cost per Cubic Foot, Children Accommodated and Cost per Pupil. - Continued.

-	·liqu4	Cost ber	1.000 \$300 85	149 92	154 39	166 73	133 20	677 130 66
	modated.	Children	1.000	495	391	224	519	677
	eet,	of oiduO r-ssslO		28.236	27.230	31,570	25,43-1	24,648
	- DST	Elec.	Cents.	· ·	-	1.5	δ.	1.
	TO COR	Plumb.	Cents.	. 4	.3	1.3	1.3	1.2
	PROPORTION COKTRACTS BEAR TO COST	Heat.	Cents.	6	· ·	8	ಣ	2.7
	PRC TRACT	Bldg.	Cents. Cents. Cents. Cents. Cents.	16 6	17.6	7	17.7	18.4
-	SiduO	Cost per Foot.	Cents.	0.17	1 6	5 08	8.22	23
	Contents.	Cubical O	1 919 301	1,512,001	956 715	186.097	302.503	384,789
1	CTS OF	Elec.	Per Ct.	# E		H 1	· · · · ·	
1	PERCENTAGE CONTRACTS BEAR TO TOTAL COST OF BUILDING.	Plumb.	Per Ct. Per Ct. Per Ct.	n e) 0/ 0 1/	0. 0	i o	, ru
	ENTAGE CONTRACT TO TOTAL	Heat.	Per Ct.	0.	5 6	10.4	<u> </u>	2 -
	Perc	Bldg.	Per Ct.	8. 6.	0 - i	10.1	7.7	208
	Total Cost	of Building.		%300,830 67	4,211 94	60,509 I4	60 131 34	
	Building, Heating, Plumbing	Electrical Contracts.	B., \$240,190 20 H., 23,390 00 P., 14,923 69 E., 22,346 78	B., \$55,541 00 II., 9,617 94 P., 4,823 00 E., 4,230 00	B., \$45,929 14 H., \$,100 00 P., 3,500 00 E., 2,836 00	B., \$26,917 31 H., 5,254 00 P., 2,322 00 E., 2,853 31	B., \$53,509 91 H., \$,985 00 P., 4,045 00 E., 2,591 43	B., \$70,934 91 H., 10,300 00 P., 4,450 00 E., 2,773 88
1	- noite.	Constru	ETHB EPHB	2d B	2 E H H H	2d HTH	22	2d B
	-	Grade. Class of	=	P. 2	P 2	- 	G.	
	.smoo	Number o	:	12	10	9	12	16
		Date of Comple	1913	1914	1914	1914	1914	1915
		ламв ок Кеноог, Ветарика.	High School of Practical Arts.	Philip II. Sheridan	Florence Nightingale	Mary Lyon	George Frisbie Hoar	Quincy E. Dickerman
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Table Showing Cost of Buildings, Cost per Cubic Foot, Children Accommodated and Cost per Pupil.— Concluded.

Norz.—Rated number of pupils and cost per pupil in elementary schools are figured by actual number of pupils for which the building was originally planned to accommodate in class-rooms only. P = Lower Elementary. G = Upper Elementary. H = High. S = Special.

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** Contracts. ** Date of Figure 1	NAME OF	.noite	to,smoo		uction.	Building, Heating, Plumbing,	Total Cost	PER	CENTAGE TO TOT BULL	CONTRA	CTS	.etn9tnoC	OiduO	PE TRAC PE	OPORTIO TS BEAR	M CON- TO CO FOOT.		.00m.	modated.	·liqu¶
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* Cost to February 1, 1919.

[†] Contains Assembly Hall and Special Class-rooms.

APPENDIX V.

INSTRUCTIONS TO ARCHITECTS.

ARCHITECTS' SERVICES.

Every Architect employed by the Schoolhouse Commissioners of the City of Boston, as the architect for erecting a building. is to perform the duties hereinafter provided.

This Agreement, made day of in the year one thousand nine hundred and

by the City of Boston, acting through the Board of Schoolhouse Commissioners, party of the first part, and

party of the second part, hereinafter designated the Architect. Witnesseth, That the Architect, in consideration of the agreements herein made by the City, agrees with the said City as

follows: Section 1.— The Board.— (a.) Is to furnish the Architect with the requirements and information for the design and construction of the building for which he is the Architect, and give the approximate cubical contents and proposed cost per cubic foot thereof:

(b.) Is to provide the services of domestic engineers to confer with the Architect during the preparation of preliminary studies, and when these are accepted by the Board to advise the Architect in the details of their work and make the necessary working drawings and specifications for (excepting plumbing), and have the direction of, the plumbing, heating, ventilating and electric work for the building, said work being hereinafter designated as the domestic engineering.

(c.) Is to give the grade and lines of streets and adjoining

lots;

(d.) Is to give all information regarding the lot, and on request of the Architect, or of any person doing work on the building, furnish him full information relating to the above, the sewer, water, gas and electric service, and to the rights, restrictions and boundaries of the lot on which the building is to be

constructed.

Sect. 2.— The Architect.— (a.) Is to consult and advise with the Board and make such preliminary studies as will acquaint the Board with the contemplated arrangement, design, construction and cubical contents of the building, and enable it to agree with the Architect upon a definite limit of cost therefor, and to accept said preliminary studies as the basis of working drawings and specifications; he shall submit the preliminary studies to the Board not later than fifteen (15) days after the receipt by him of the plan of the site on which

the building is to be erected:

(b.) Is to make upon the basis of said preliminary studies one complete set of working drawings in ink on tracing cloth, floor and framing plans, sections and elevations at a scale of one-quarter of an inch to the foot, plumbing drawings and such detail drawings on a larger scale as are necessary to explain the specifications; he shall submit the complete, finished drawings and specifications not later than ninety (90) days after the acceptance of the preliminary study by the Board;

(c.) Is to furnish one complete typewritten set of specifications for everything, including plumbing, to be furnished or done in constructing the building, except the domestic engineer-

ing, and is to revise and correct the printer's proofs.

(d.) Is to cause the drawings and specifications furnished by him to conform to all regulations of law and public authorities, and to be in accordance with established methods of building construction, faithfully carry out all the foregoing provisions, use all proper knowledge, skill and care therein, and be accountable in damages for any failure so to do.

(e.) Is to loan to the Board, to make blueprints therefrom,

the said set of working drawings;

(f.) Is to restudy, and if necessary redraw, without charge, any or all of said drawings and specifications, if the lowest bid for doing the work in accordance therewith overruns the limit of

cost agreed upon by the Architect and the Board;

(g.) He shall have the certification of a Construction Engineer approved by the Board for the construction plans and details; and then shall make application for a building permit to the Building Department on a form signed by the chairman of the Board, and deliver to the Building Department two sets of such blueprints from the said set of working drawings as may be required by the Building Department (the Board furnishing

specifications to the Building Department);

(h.) Is, upon the signing of the construction contract, to deliver to the Board, to remain their property, two sets of cloth blueprints taken from the said set of working drawings, a perspective drawing of the exterior of the building and such floor plans as the Board may request suitable for reproduction, and at the conclusion of the work a complete set of working drawings on tracing cloth, either the set previously referred to or a copy therefrom, which shall be corrected to agree with and embody all changes made during construction;

(i.) Is to have general supervision of the domestic engineering and be the Architect of all other work to be done under any written contract for the construction of the building, and render the full usual Architect's services and supervision for such other

work; he shall personally visit the work at least twice in each week, and shall render a weekly report on the form furnished

by the Board;

(j.) Is, in the form prescribed by the Board, to make all estimates and allowances for payments under any contract in which he is made the Architect of the work, and such estimates for the domestic engineering are to be accompanied by certificates of said Engineers as to their accuracy, subject to approval of the Board.

(k.) Is to advise with the Board on any changes in the building contemplated by the Board, and is to order changes

when required by the Board so to do;

Sect. 3.—(a.) The City, as full compensation for the services aforesaid, is to pay the Architect $2\frac{2}{5}$ per cent upon the cost of the domestic engineering, exclusive of plumbing, and 6

per cent upon the cost of all other work;

Payments to be made as follows: Three and three-fifths per cent upon all contracts other than those for domestic engineering is to be paid on the signing of such contracts, and thereafter 22 per cent upon the value of the materials and labor, as specified in each estimate for payment under the contract, is to be paid on the making of the estimate. payment is not to be made until the work is completed and the building finally accepted and a final release given to the city for all claims of any nature under the contract by the Contractor or his subcontractors or their employees. When preliminary studies are completed, the value of the Architect's services to date shall be reckoned one-sixth of the estimated total commission; when working drawings and specifications are ready for contract, if for any reason the signing of contracts is delayed, the value of his services to date shall be reckoned at 3\frac{3}{2} per cent of cost based on allowance for building given by the Board to the Architect. If the Board discontinue the services of the Architect at any intermediate stage the value of his services shall be reckoned proportionately, and payment for said services shall be made at the discretion of the Board. Five per cent on cost of domestic engineering, exclusive of plumbing, and 10 per cent on other work will be paid to Architects on all changes and alterations made within or to existing buildings. Additions and extensions made outside of such buildings to be regarded as new work and the commission to be reckoned on that basis.

SECT. 4.—When for any reason other than those stated in section 2, paragraph (f.) page 32, the Board shall set aside the whole or any part of an Architect's studies, drawings and specifications while retaining him to prepare corresponding new studies, drawings and specifications for the same school building, the city shall pay the Architect for the work thus set aside a sum not exceeding three times the actual cost of draughting and the new work shall be paid for on a commission basis, as

stated in section 3, page 33. Payments for all work thus set aside under this section shall be made at the discretion of the Board.

SECT. 5.— In the above agreement the term "building" is used to define not only the structure itself but all work in connection with it committed to the Architect by the order of the Board, as fencing, grading, roads, walks, planting, decorative painting and sculptural decoration.

The Architect will further render all services of any kind mentioned in the contract executed for the construction of said school building and incidental to or necessary for the performance thereof, until the builder shall be released from all respon-

sibility in respect thereof.

The Architect will not order any variations or extras without the sanction of the Board of Schoolhouse Commissioners in writing, nor in any way exceed his authority as laid down in the building contract.

No rule of any society or any custom of engineers, architects or surveyors shall be binding on the party of the first part.

In witness whereof, the said hereunto set their hand and seal, and the City of Boston has caused these presents to be signed by the chairman of the Board of School-house Commissioners, hereunto duly authorized, the day and year as above written.

CITY OF BOSTON,
BY
BOARD OF SCHOOLHOUSE COMMISSIONERS,

	Chairman.
Approved:	Architect.
Form of Contra	Mayor.

Corporation Counsel.

APPENDIX VI.

GENERAL INFORMATION AS TO STANDARD RE-QUIREMENTS FOR SCHOOL BUILDINGS AND YARDS.

YARDS.

(1.) Grading.—Grade the yards as determined after consultation with the commissioners.

(2.) Fences.—Provide fences, planting, etc...

as determined after consultation.

(3.) Gates.—Provide the gates in fences inclosing the yards with hasp and staple to receive the Department Standard yard padlock, which will be furnished by the Depart-

ment outside of the general contract.

(4.) Play-yards.—Play-yards located on the sunny side of the building are desired and approximately 30 square feet per pupil should be provided. Play-yards are to be paved with hard-burned bricks, laid flat in sand and sloping at proper grades to catch-basins connecting to sewer.

(5.) Walks.— Pave the walks and approaches with hard-burned brick laid flat in

sand.

(6.)Curbs.—Curbs forming borders may be paved with brick laid on edge. Bull-nose

brick may be used for curbs.

(7.) Šidewalks.—Sidewalks for public use outside of the lot line and curbs for same are not to be included in general contract for building as an allowance.

(8.) Basement Entrances.—Separate entrances are to be provided for boys and girls from their respective yards to the play-room. Areas, steps and inclines are to be avoided wherever possible. A separate entrance for janitor to boiler-room may be provided. A proper entrance for coal and exit for ashes should be provided.

(9.) Driveways.— Driveways such as for coal and ash teams are to be paved with vitrified pavers laid at the proper pitches, and in cement mortar on a sufficiently thick concrete base.

(10.) Flagstaff.—Provide a flagstaff 20 feet long extended from a wall of the building with

halliards, truck, etc., complete.

NOTE.— All the above items except as noted to be included in the general building contract.

ELEMENTARY AND JUNIOR HIGH SCHOOL.

In General.— Elementary schools are subdivided into upper and lower. Lower includes Grades I. and II. and are to have 12-inch by 18-inch desks and Grade III. is to have 13-inch by 21-inch desks. The buildings for the lower grades are to have besides the classrooms required, rooms for teachers, nurse, book storage and emergency closets. Sufficient storage room for supplies, etc., shall be provided in the basement. The upper elementary buildings are to contain Grades IV. to IX., inclusive, and are to have besides the classrooms required an assembly hall and rooms for master, teachers, nurse, book storage and emergency closets.

Grades IV., V. and VI. are to have 15-inch by 21-inch desks and Grades VII. and VIII.

are to have 16-inch by 23-inch desks.

Junior High School rooms are to have 20-inch by 26-inch desks.

Desks are to be spaced according to standard

seating plan.

THE BUILDING.

The building will be either "Lower Elementary," "Upper Elementary" or "Upper Elementary and Junior High," as above mentioned. This will be determined by the commissioners, who will act as an intermediary between architects and the school authorities and committee. Relations between commissioners, architects and contractors to be as defined by a contract. Commissioners are to determine the type of construction of the building, and shall furnish all necessary information to the Architect.

Orientation.— It is desired to place the building so that each class-room should receive sunlight during some portion of the day.

Setting.—Set the building above grade so that the play-rooms are well lighted and entrances are provided into basement playrooms as before mentioned. (See Basement Entrances.) Boiler-room floor wash to drain

direct to sewer wherever possible.

Heat and Vent Flues.— To be of galvanized iron or masonry, as determined by the commissioners. If of masonry, to have joints neatly struck and the inner surface fairly smooth.

Fireproofing.— Doors for boiler-room and coal-pocket to be metal covered. Boiler-room doors to be self-closing. Closets should be provided for electrician as needed for batteries. switch boards, etc.

A paper burner should be provided in con-

nection with the boiler room as directed.

Bulletin boards should be included in general contract.

LOWER ELEMEN- This type of building, in addition to the fore-TARY.

going requirements, is to have kindergarten room where so directed by commissioners.

TARY.

UPPER ELEMEN- This type of building, in addition to the requirements for the lower elementary, should contain an assembly hall with its necessary rooms, and a master's room with waiting room, if so directed. Rooms for cooking, manual training, etc., are to be provided when called for by the commissioners.

JUNIOR HIGH SCHOOL.

This type of building includes rooms for first year high school and upper elementary schools, and except for certain large class-rooms is practically the same as upper elementary building.

SCHOOL-ROOMS.

(1.) Size will be 23 by 29 for lower and upper elementary grades, 26 by 32 for junior high and not less than 12 feet high in clear. Modification allowable only after consultation with the Board. Desks should be laid out on the preliminary plans. (See drawing.) class-room shall be consecutively numbered on the plans to designate it. These numbers to be for the doors, as noted below, and for the annunciator. Other rooms that appear on the annunciator to be named on the plans, as assembly hall, teachers' or master's room, cooking room, manual training room. kindergarten shall be counted as a class-room. In high schools, both class and recitation rooms to be numbered, other rooms named.

(2.) Windows will be on the long side for left-hand lighting. The glass measured inside the sash shall contain not less than one-fifth of

floor area; neither double run of sash nor double glazing nor weather strips will be required, the head square and close to the ceiling: the sill about 2 feet 6 inches from the floor where a gravity indirect system of heating is installed and 2 feet 11 inches where there is to be plenum system; the windows divided with muntins, no large sheets of glass. Finished with plastered jamb, metal corner bead, without architrave.

(3.) Doors.—One to corridor, 3 feet 6 inches by 7 feet, partly glazed, to open out, placed preferably near the teacher's end; all as per standard details (two doors may be desired under certain conditions); brassplated, ball-bearing steel butts, 4-lever mortise lock, master keyed; cast brass knobs, flush marble thresholds to corridors for first-class construction. Doors to have 2-inch plain painted numbers, cardholders, $3\frac{1}{2}$ inches by 5 inches, and hooks to hold open.

(4.) Floors will be maple. (5.) Walls will be painted burlap up to top of blackboards, or of tack boards, and above this plaster tinted in water-color,—a warm gray green or buff gives the best results,— the blackboards 4 feet high, 2 feet 2 inches from floor in kindergarten, 2 feet 4 inches to 2 feet 6 inches in Grade IV., and 2 feet 8 inches in Grades V. to VIII., behind the teacher's desk and on the long side. These will be of best black slate \(\frac{1}{4}\) inch thick. At end, in place of blackboard, soft wood sheathing with cork carpet securely attached to it for a tack board, to extend from line of chalk trough to the moulding at top of blackboards, to have wood strips to cover tacks. In lower grades a card rack is required above the blackboard only. A picture moulding at top of burlap and also near ceiling in all rooms. (See drawings.)

(6.) Ceilings will be level, plaster tinted a

light cream color. Ceiling angles square.

(7.) Artificial Light.— Nine stiff pendent, 60-watt electric fixtures on three switches, and one cord drop over teacher's desk. gas.

Heating and Ventilation.— The inlet for heat about 5 square feet, the outlet for

ventilation about 5 square feet.

(9.) Bookcase.— Provide a bookcase in any convenient position, about 5 feet 9 inches long; upper doors fitted with cylinder locks, and latch and knob; drawers fitted with locks and small brass pulls. Lower doors to have knobs and cylinder locks; same lock in each bookcase; all bookcase locks master keyed. (See drawing.) Special equipment for care of books where school is held day and evening is desired, similar to that existing at the Charlestown High School, so that the books of the day pupils will be put away in pigeonholes, leaving the desk free for evening use.

(10.) Teacher's Closet.—Provide a small closet for teacher's coat and hat, preferably opening from the class-room, but allowable from the wardrobe, closet to have about 4

hooks and one shelf.

FRESH-AIR ROOM.

The School Committee is responding to the more general demand for fresh-air rooms for children who are anæmic or of tubercular tendencies. At present all that the Board is advising to meet this new demand is that a sunny room, preferably a corner room, be chosen for this work, and that the windows on one or on two sides be made casement, to open out, or as the Board may direct; and that the heat be largely direct, so that the temperature can be quickly raised, if necessary, when the windows are closed. Otherwise these rooms will be the same as other class-rooms.

(a.) (1.) Size.— Wardrobes will adjoin school-rooms and be from 4 feet 6 inches to 5 feet wide in the clear; 6 feet where compartments are used. The Board is to be consulted as to the type of wardrobe, as in certain cases they may prefer the approved

standard type of Chicago wardrobe.

(2 and 3.) Windows and Doors.—Outside light, two doors, both connecting with school-room, and not to corridor, and having no thresholds. Doors, double swung, 2 feet 6 inches wide, brass double-acting butts, foot and hand plates, hooks or adjustable stops to hold open, ventilation under door farthest from vent.

(4.) Floors.— Maple. For all cases, to have a drip gutter for umbrellas, lined with heavy zinc, all joints soldered and tight.

(5.) Walls.—Painted hard finish plaster to a height of 6 feet, poles on brass-plated iron brackets with hooks under and pins over, 44 in number; umbrella clips and drip gutter

WARDROBES.

below. (See drawing.) Walls above, plaster, tinted. Height of lower pole, kindergarten, thirty inches from floor; lower grades, 36 inches to 40 inches; upper grades, 44 inches, 48 inches and 52 inches; distance between poles, 8 inches for elementary, 12 inches for upper grades. Pins and hooks, 6 inches to 12 inches on centres for elementary and 16 inches to 18 inches for upper grades. Each hook to have a painted number $1\frac{1}{4}$ inches high.

(6.) Ceiling.— Plaster.

(7.) Artificial Light.— One stiff pendent, 40-watt, electric fixture. Switch in class-room.

(8.) Heating and Ventilating.— Heating direct. Ventilation, vent duct, $1\frac{2}{3}$ square feet

area cross section.

CORRIDORS AND VESTIBULES.

(1.) Size.— Not less than 8 feet wide for four rooms on a floor; not less than 10 feet for over four rooms, governed by length, access to stairs, etc.

(2.) Windows.— Outside light essential. Where necessary provide windows through class-room walls over the blackboard moulding.

- (3.) Doors.— Main outer doors to open out, heavy butts, standard, master keyed, school lock; lock set to be furnished by the department but set by the contractor; door check; heavy hooks to hold open. Vestibule doors open out, heavy butts, pulls, push plates, hooks to hold open, door checks, no locks. Other doors to basement open out, and fitted with mortise lock with knob on inside only. Other hardware as above. All outside doors to be $2\frac{1}{4}$ inches thick, and to be made solid, no veneer.
- (4.) Floors.— Terrazzo divided into areas not to exceed 80 square feet, by set joints, and to have terrazzo or marble base for first-class construction. Wood floor and base second-class construction.
- (5 and 6.) Walls and Ceilings.— A light, glazed brick, tinted walls and ceilings. If walls of common brick, to have smoothly struck joints and painted; if walls of plaster, to have burlap 7 feet high—painted. Put picture moulding at ceiling in corridors if plastered.

(7.) Artificial Light.—Stiff pendent electric

fixtures, 40 or 60 watt, for corridors and vestibules, and one-light brackets for stairway, also gas for emergency in corridors, on stairs, and in vestibules.

(8.) Heating and Ventilation.— Heat direct, supplemented by foot warmers on first floor.

Ventilation where possible.

(9.) Sinks and Closets.—On each floor above the first, one or two 4-foot sinks, with 4 fountains and 1 faucet.

(1.) Number and Arrangements.— Determined by the Board, and not over 5 feet wide or less than 4 feet wide in the clear.

(2.) Material.— The treads, North River stone on iron string. Rails of a simple pattern,

easily cleaned; wall rails are desired.

(3.) Steps.—Rise about $6\frac{1}{2}$ or 7 inches, treads about $10\frac{1}{2}$ inches. Rail not less than 2 feet 8 inches on runs and 3 feet on landings.

(4.) Exits.— Exits from the lower landings of stairs are desired. These may have emergency bolts where so desired. Fire escapes may be desired when recommended by the Building Department and after consultation with the Board.

(1.) Size.—General toilet-rooms in basement, in size approximating space for $1\frac{7}{8}$ water-closets for each school-room, i. e., $\frac{5}{8}$ boys and $1\frac{1}{4}$ for girls, and 33 inches of urinal for every school-room, arranged for convenient supervision and circulation. Slate sinks, length from 10 inches per class-room in small buildings to 6 inches per class-room in large buildings, located preferably in the play-rooms. The above refers to mixed schools.

(2.) Windows.— Ample outside light; glazed where exposed to view outside with

ribbed glass; to have wire guards.

(3.) Doors.— The doors arranged "in" and "out," with spring or door check and stout brass hooks to hold open; glazed with ribbed glass; half doors to water-closets.

(4.) Floors.— Asphalt. Boys' drained to

urinal, girls' to floor washes.

(5.) Walls.—Salt-glazed brick or other nonporous inexpensive surface, 7 feet high; above, brick painted and enameled.

(6.) Ceiling.— Untinted plaster or whitewashed concrete. Basement ceiling need not

STAIRCASES.

SANITARIES.

be furred level for first-class construction. For second-class construction ceiling should be plastered.

(7.) Artificial Light.— Ceiling or short pen-

dent electric fixtures.

(8.) Heat and Ventilation.— Heat direct. Ventilation through water-closets and space back of urinals, allow 10 square inches local vent for each water-closet and 8 square inches for each lineal foot of urinal.

PLUMBING FIX-TURES.

(1.) Water-closets.— The pupils' water-closets for elementary schools are wash down closets; siphon action; upper classes, $16\frac{1}{2}$ inches high; lower classes, $13\frac{1}{2}$ inches high. Teachers' same, with raised rear vent $16\frac{1}{2}$ inches high. (See drawing.)

(2.) Partitions.— To be $\frac{7}{8}$ -inch slate, supported at ends with iron pipe about 8 feet high, fastened together and to the wall, to which doors are hung. Back partition of water-

closets to be slate. (See drawing.)

(3.) Urinals.— The urinals will be of slate floor slab, trough and back, with partitions where requested, flushed automatically from special tank, through $\frac{7}{8}$ -inch perforated pipe, with cold water; vented at bottom into space behind. (See drawing.)

(4.) Sinks of black slate, two self-closing cocks, and jet drinking fountains, set 20 inches on centres. A sink is desired for janitor

unless there is one near by.

(5.) Floor Washes in sanitaries and playrooms as already mentioned. (See drawing.)

(6.) Piping.—(a.) Cast iron must be laid on good footing in basement, clean-outs at every change of direction. Soils and vents exposed as far as possible, no asphaltum, red

lead and three coats of paint.

(b.) Supplies.— Exposed as far as possible; where covered may be plain brass, elsewhere polished brass; nickel plate where desired. Hot water for janitor's use in basement, cooking-room, pupils' sinks, and for master's, nurses', and teacher's rooms. Supply from boiler and from summer boiler, if any, or from an independent hot water heater. No auxiliary supply wanted for water-closet tanks.

(c.) Fire Lines.—In building three stories high or over, one or more lines of 3-inch pipe

if requested by the Board.

PLAY-ROOMS.

All free basement space to be arranged as play-rooms for boys and girls. Walls to be of selected hard brick painted with cold water paint, granolithic floors, plaster ceilings or whitewashed concrete. Basement doors and windows to have wire guards in channel iron frames; guards to be hinged and padlocked. Doors are desired from the play-rooms to the play-yards. Areas at doors are not desired.

MASTER'S AND TEACHERS' ROOMS. (1.) In each school of the upper grades a room of about 240 square feet for the master, with a water-closet and bowl and a book-closet adjoining. This room should be near the centre of the building, i. e., on the second floor, in a three-story building. In all schools a room or rooms for teachers, averaging about 300 square feet for ten teachers, with water-closet and bowl. Doors to be clearly marked "Master" or "Teachers" in painted letters and one water-closet and bowl on each floor of six rooms for teachers' emergency.

(2.) Where men as well as women are teachers, provide a separate room with toilet

accommodations for men.

SPECIAL ROOMS.

ASSEMBLY HALLS.

Assembly halls should accommodate from 400 to 800 as the Board may direct. It is not considered necessary to seat the full number of pupils in schools of greater capacity. floor to be level and of wood like class-rooms. The windows to be fitted with rebated mouldings to take opaque shades, and so designed as to make the operation of shades practical and simple. (See department standard detail.) The platform should be capable of accommodating one, or, in the large schools, two classes. Galleries may be used where the hall is two stories in height. Antercoms near the platform are desirable. A dignified architectural treatment of the walls and a studied color scheme for walls and ceiling shall be submitted to the Board for approval. The lighting, acoustics and exits should be such as belong to a small lecture hall. Artificial lighting to be under control from at least two points. one of which must be near an exit. Electric outlet for 30-ampere projection lantern, 25 feet from curtain. Provide recess in ceiling over platform for spring-rolled curtain, 13 feet long.

For assembly hall an allowance in cubing is made by the Board of two class-rooms for schools of medium size, that is, about sixteen class-rooms, and four class-rooms for schools of larger size, i. e., sixteen class-rooms, to represent the added area for this purpose.

MANUAL TRAINING ROOMS.

(1.) Size.—Room, generally located in basement if floor can be above grading, should be approximately 900-1,000 square feet, preferably a corner room, and the larger of the two allowed sizes of rooms and arrangement shown by drawing, for number of benches there given, 25. In elementary schools for boys 22 benches are sufficient.

If in basement this room is not to be counted

as one of the class-rooms.

(2.) Light.— The windows should be as near full length as possible and on two sides. Artificial light in stiff pendent electric fixtures, one light to every four benches.

(3.) Floors.— Of wood.(4.) Walls.— A basement room should be finished as a shop; salt-glazed brick up to 7 feet where exposed, and above blackboard brick walls painted with cold water paint. If above basement, finished as a class-room.

(5.) Ceilings.— Like basement.

- (6.) Heating and Ventilation.— The same as in class-rooms. If in basement provide some direct radiation.
- (7.) Fittings.— (a.)Stock-room.—Stockroom should contain at least 80 square feet, preferably rectangular. Eighteen-inch shelves should run around the room, 5 feet 6 inches and 6 feet 6 inches from the floor.

(b.) Wardrobes.— Wall space for 26 double

coat and hat hooks, in a separate room.

Teachers' Closets. — Teachers' closet should be small for personal belongings, with shelf and hooks under.

(d.) Storeroom.— For finished work and hardware should be fitted with all shelving possible; an area 40 square feet is adequate.

(e.) Bookcases.— Like those in class-rooms,

150 capacity.

- (f.) Sink.—A 3-foot soapstone sink, with hot and cold water, with drinking fountain if desired.
- Display Frames.— Four display frames, size and position as indicated of cork carpet over soft wood back, with 2-inch moulding around.

(h.) Demonstration Steps.— Demonstration

steps are desired.

(i.) Furniture.— (Not included in the building contract.) The furniture comprises 25 benches and stools, teachers' desk, table, 4 feet by $2\frac{1}{2}$ feet, with unfinished top, 1 desk chair and 2 common chairs, a clock. (See drawing.) Lay these out on preliminary drawings. Lower benches to set toward the front and nearer the windows.

(i.) Blackboards.—Provide about 15 linear

feet of slate blackboards, 4 feet high.

(k.) Glue Pot.—Provide electric or gas

connections for same.

COOKING-ROOM.

(1.) Size.—Should have an area of 900–1,000 square feet, preferably a corner room on top floor, but generally in basement, and the larger of the two allowed sizes of room, and arranged for 24 stations. If in basement this room is not to be counted as one of the class-rooms.

(2.) Light.— Windows as in a class-room, if located in a corner, from two sides. Arti-

ficial light as in a class-room.

(3.) Walls.— Above basement, similar to school-rooms, blackboards, 4 by 10 feet, back of teacher's desk. Walls painted in oils. A basement room shall have salt-glazed brick walls up to 7 feet and painted brick above. (See drawings.)

(4.) Floors.— The floor to be wood, except

space occupied by ranges, which is tiled.

(5.) Ceilings.—Ceilings like basement, or,

if above basement, like class-rooms.

(6.) Heat and Ventilation.— Less heat is required than in a class-room, but the ventilation should be the same, with additional vent from the demonstration ranges. Hoods over ranges if Board so desires.

(7.) Fittings.—(a.) Wardrobes.— Provision for 24 pupils, double coat and hat hooks in separate lighted closet, and teacher's small

closet.

(b.) Work Benches, accommodating 24 pupils, fitted with compartment for utensils, bread-board, etc., a special gas burner with a hinged iron grille over it, set on aluminum plate at each station; benches arranged in the form of ellipse, or oblong, with access to centre from two sides; top of pine 24 inches wide; open underneath and supported on pipe standards. One section detached and fitted as a

demonstration bench; a clear space of 4 feet all around. Dining table (furnished under another contract) is to be set in centre. (See drawings.) Lay these out on preliminary drawings and

include in final drawings and contract.

(c.) Dresser.— Ten feet long in 3 sections. 4 adjustable shelves and glazed sliding or hinged doors at top; one set of 3 drawers and 2 cupboards on lower part. A shelf should be put in each cupboard about 12 inches from top.

(d.) Fuel-box.—In 2 compartments, each about 24 inches square and 30 inches deep, with hinged lids; small shelf in one section. Accommodations in the main coal room for a

supply of range coal and kindling wood.

(e.) Bookcase.—Similar to those provided in class-rooms.

(f.) Sink.—Soapstone, 4 feet long; 2 cold and 2 hot water cocks; soapstone drip shelves. 24 inches long, at each end of sink, provided with grease trap Sink should be near ranges.

(g.) Hot Water Supply.—(See instructions

in plumbing.)

- (h.) Coal and Gas Ranges.— A six-hole coal range and a similar gas range, with hood provided, and set on a hearth previously mentioned.
- (i.)Outlet for electric cooking apparatus. (j.)Refrigerator.—Location to be shown. Furnished under another contract.

The following is a list of standard equipment

adopted by the School Committee.

(Not to be included in the general contract for building.)

30 Portable tables (inserted yard measure).*

50 Chairs in girls' school,* and

30 In mixed schools, varying in height from 14 inches to 21 inches from floor.

1 Glass show case about 8 feet long, $2\frac{1}{2}$ feet or

3 feet wide. 1 Cutting table, 8 feet long, 3 feet wide and 2 feet 6 inches high, inserted yard measure, 3 drawers in table, blackboards, minimum of 30 square feet.

Closet for teachers' wraps.

Stationary wash bowl with running hot and cold water.

One $7\frac{1}{2}$ -lb. electric iron. One 4-lb. electric iron.

Standard box rack with box for each girl. (See drawing.)

1 Sewing machine for 500 or fewer girls.

SEWING-ROOM.

^{*} Not required when no regular "sewing room" is available.

KINDERGARTEN.

(1.) Size.— The rooms can be contained in the space of class-room and wardrobe, but a slightly larger area, 800 to 900 square feet, is desirable, and preferably the larger of the two allowed sizes of room. They comprise a large room, a small room, a supply closet, a wardrobe and a water-closet. The large room should take a 20-foot circle, regulation lines painted on the floor with at least 4 feet all round it. (See drawing.) The small room, about 200 square feet.

(2.) Light.— Windows should be as in a class-room, if on a corner, on both sides. Exposure should be sunny. Artificial light of the class-room type arranged for the different

rooms.

(3.) Doors.— Door to corridor as in class-rooms. Wide doors should open from small room into large room.

(4.) Floors.— Wood, with painted lines

as above.

(5.) Walls.— As in class-rooms, with black-board as in lower grades.

(6.) Ceilings.— As in class-rooms.

(7.) Heat and Ventilation.— As in class-rooms.

(8.) Fittings. (a.) Wardrobe.— Hooks for 60, arranged as in ordinary wardrobes.

(b.) Teachers' Closet. For clothing of two

or three teachers.

(c.) Toilet-room.— Immediately adjoining with two low-down seats and bowl or sink.

(d.) Bookcase.— As in lower grades.

NURSE'S ROOM.

(1.) Size.— From 200 to 400 square feet, according to size of school.

(2.) Windows.— Outside light as in class-

rooms.

(3.) Shades.—Set to roll from window-sill upward. Not in building contract.

(4.) Doors.— One door to corridor, as in

class-room, marked "Nurse."

(5.) Walls.— Upper two-thirds plaster, smooth finish, round corners, painted with light green oil paint. Lower one-third to floor, glazed white tile with sanitary base.

(6.) Floor.— Terrazzo or ceramic tile for

first-class construction.

- (7.) Heat and Ventilation.—As in class-rooms.
- (8.) Artificial Light.—Stiff pendent, 100-watt electric fixture with special shade. Wall receptacle for hand portable.

(9.) Nurse's Closet for Supplies.—Size, 3

by 4; one shelf; 6 hooks for clothing.

(10.) Bathtub and Water-closet.—Water-closet same as for teachers' room. Leave outlet in plumbing for bathtub.

(11.) Bowl.— Vitreous ware, hot and cold water faucets with shampoo cock. Hot water

must be available all the year.

(12.) Stove.— Gas or electric heater.

Fittings.— (Not in building contract.) (a.) Cabinet.—Oak finish medical cabinet, adopted as standard by Schoolhouse Commission. (b.)Stool.—White enamel revolving stool. (c.)Table.— Dressing table. enamel frame, glass top and shelf; size, 16 to 20, rubber crutch tips. (d.) Filing Case for Nurse's Records.— Oak finish, to hold 1,000 cards, 4 by 6; lock and key; guide cards. (e.) Writing Table. - Oak finish with drawer and lock; size, 20 by 30. (f.) Chair.— Oak to match table. (g.) Couch.— Flat frame oak, canvas adjustable top. (h.) Mirror.—Size. $2\frac{1}{2}$ by 3, set over bowl.

HIGH SCHOOLS.

CLASS-ROOMS
AND RECITA-

High school class-rooms are laid out for classes of thirty-six or forty-two, generally the latter. A room 26 feet by 32 feet will accommodate forty-two high school desks. The larger class-rooms are to accommodate from sixty to eighty pupils; the larger number can be accommodated in a room 33 feet 8 inches by 43 feet. Recitation-rooms, which to a certain extent will be used also as class-rooms, should be about 16 by 26. These rooms, if equipped with continuous desks and seats as in a lecture-room, or with double desks, such as are used in the Charlestown High, would accommodate about thirty pupils each. Lay out desks in one room of each type on preliminary plans.

ASSEMBLY HALL.

. For a high school would not differ materially from that already described for elementary schools, except that provision shall be made for a motion picture booth.

MASTER'S AND TEACHERS' ROOMS. For accommodation of the principal there should be an outer office, that is, a waiting-room or reception-room, and an inner office, and rooms for both men and women teachers which might well be concentrated in the

neighborhood of the reception-room and the

principal's room.

CHEMISTRY.

The Rooms in General Required.—Laboratory, separate from lecture-room, may be used as recitation-room, but better to use lecture-room and keep laboratory free from desks and demonstration table. Lecture-room separate from laboratory, but easy of access, may be used for recitation; in that case should have facilities for demonstration. Combined lecture-room for physics and chemistry admis-Three rooms for administration purstore-room for dry chemicals poses. apparatus, room for storage of liquid chemical and preparation of reagents, which may also be used as a teacher's laboratory and an office. The total area of the laboratory and administration rooms should be about 1,200 square feet and of the lecture-room about 600 square feet.

CHEMICAL LABORATORY.

Size.—Should accommodate a class of forty to fifty pupils, with apparatus. Accommodation for three such classes.

(2.) Light.—On two sides artificial light

as in a class-room.

(3.) Heating and Ventilation.—On same basis as for class-rooms, but removal of gases should also be provided for by a hood, each compartment of which should be ventilated by 9-inch hole at top, venting into elbow or T of drain pipe, thence connected by drain pipe into main flue, in which should be a fan operated by a motor.

(4.) Walls and Ceilings.—Walls of brick ideal, but not generally feasible, except on outside walls; plaster walls painted in oils and ceiling of plaster, covered with water-resisting surface containing no lead. All woodwork to have natural finish—except tops of desks.

(5.) Floor.— May be of hardwood in narrow strips, filled in by asphalt; should slope very slightly between desks, interspaces again trending to common corner, which may be drained.

(6.) Equipment.—Working desks at right angles to greater length of room, in sections back to back between windows; sections movable when top is removed. Each section 21 feet to 24 feet 6 inches long, 2 feet wide, 3 feet to 3 feet 2 inches in height. Distance between

double sections about 5 feet, same distance at least between ends of sections and hood, which should be opposite longer line of windows and at right angles to direction of desk sections. Other ends of sections near enough to wall to allow for drain at right angles to sections and under windows. Desks to be of ash or any durable wood, natural finish. Top of narrow pine strips, treated with aniline black and waterproof lead finish. Individual desks provided with 3 lockers and 3 sets of drawers each, each set of drawers operated by bar from locker, combination lock to fasten locker. Each double section of desks provided with soapstone sink, placed between sections and flush with section top, which should slope slightly to sink.* Sink 8 inches wide at least and should begin within 1 foot of the pen, toward hood, depth here to be 6 inches, running nearly to other end, where depth should be 8 inches. Each pupil to have working space of 3 feet 6 inches by 1 foot 8 inches. Each double section of desks provided with shelf for reagents, running length of desk, 10 inches to 12 inches above desk, supported by metal standards at suitable intervals, of whitewood, $1\frac{1}{4}$ inches thick, 9 inches wide, natural finish, covered with glass plates, $\frac{1}{4}$ inch thick, 9 inches wide, suitable lengths, clamped to wooden shelf with as few clamps as possible. Wooden shelf at free end of each section, 1 inch to $1\frac{1}{2}$ inches thick, 3 feet to 4 feet long, not over 1 foot 3 inches wide, height of 2 feet 8 inches to 2 feet 10 inches, for holding blast lamps, reagent jars, etc. Finish off top of shelf in aniline black. Floor space under second row of windows taken up with line of extra desks, built like sections, furnished in similar way, but without necessarily a drain to be used for emergency or general utility. Wall space not otherwise occupied may be used for shelves or cabinets. Fixed slate blackboards at end opposite second set of windows and parallel to desk sections, sliding battery blackboards where directed. waste may be thrown into desk sink, dry waste into earthen jars. Hood should run at right

^{*} Individual sinks are preferred by the teachers, although the long trough is apparently adequate for teaching elementary chemistry, and is less expensive.

angles to desk sections and along wall opposite free ends of sections. In the construction of hood, protection against fire should be considered. Should be built against brick wall. Floor of hoods to be slate; wood, inside and outside, to be finished natural. Space divided into three or four compartments, closed by sliding windows. Space against wall not occupied by hood for general sink.

(7.) Gas.— Lead from gas main at free end of centre of double desk sections, branch into two leads along back of each section. Take-offs between each working desk space in form of pillar with two ¼-inch cocks, at each end desk a single cock. Two ¼-inch gas nipples at each side of each compartment of hood. Cocks of these outside of hood. Wall desk fitted with single gas taps at intervals of two feet.

(8.) Water.— Lead from water main at free end of centre of double desk sections. Size, large enough to fill section sink rapidly. Lead of ordinary size along length of section underside of shelf, take-off at free end of section, to which blast and suction pump may be attached. At junction of each four working desk spaces take-off, carrying two valves with hose bibb delivery \(\frac{1}{4}\)-inch, the two valves or cocks facing opposite sides. Suction pump attached to these bibbs if desired.

(9.) Drains.—Section desk sink to have open drain and mercury arrester, into which should be set movable concave netting of wide mesh to arrest larger solid matter. Main desk drain at right angles to sections along and under windows, between windows and sections should be of heavy cast iron; may be supported on brackets against wall and left open, or covered and provided with movable top. Into this drain will drip the lead pipes coming from section sink. Slate floor of each hood compartment should deepen slightly in centre, where there should be a hole 1 inch in diameter. into which is fitted short lead drain pipe, closed by perforated plug; drain pipes to be connected with sloping drain pipe, open or closed, running toward and delivering into general sinks.

(10.) Electricity.— Current of electricity on section desks need not exceed ten volts, may

be supplied from source common to physical and chemical side. Plugs between each working space placed under desk top on frame.

LECTURE AND RECITATION ROOM.

(1.) Size.—Area to depend on number of seatings required or number of pupils in classes; should be large enough for two classes and should occupy a position between the laboratories for physics and chemistry.

(2.) Light.— As much glass area as classroom, preferably from left. Fit windows and other openings admitting light with dark curtains as specified for Assembly Hall. Electric lighting from top, controlled at point convenient to demonstration table.

(3.) Floor stepped up in fireproof construc-

tion and finished in wood, like floor.

(4.) Heating and Ventilation.— As for classrooms, with extra ventilation to remove fumes. Space at left end of desk provided with register and flue of at least 10 inches diameter. Flue carried under floor to nearest wall, flue and draught actuated by motor if not sufficient.

(5.) Equipment.— Demonstration table, not less than 12 feet long, not more than 3 feet nor less than 30 inches wide, height 32 inches. Placed 4 feet distant from wall, material same as that of room, top made of pine plank and finished like chemical laboratory desks. Pneumatic sink at right hand of desk, of soapstone in two depths. Not to exceed 30 inches long, 20 inches wide. Depth, 4 inches to 6 inches minimum; 16 inches to 18 inches maximum. Length of minimum depth not to exceed 60 per cent of total length. Sink to be depressed in table and provided with flush cover. Sink to have screened drain with mercury trap and overflow. Supply hot and cold water under reduced pressure and cold water under street pressure for quick filling, 2 goosenecks with $\frac{3}{4}$ -inch hose bibbs, to one of which combined blast and suction pump may be attached; steam supply direct from boiler main with a by-pass to summer boiler; supply gas air suction, and gas taps not exceeding 6 in number. Over demonstration table, secured to ceiling, provide a plank with heavy screw hooks. Behind lecture table provide sliding battery blackboards of not less than 50 square feet, and canvas curtain on heavy spring roller for attaching charts. Drawers and fireproofed closets for lesser lecture apparatus and chemicals in body of table, wall on either side provided with shelves for reagent bottles under glass, and side wall provided with cabinets for larger pieces of permanent apparatus, if there is no special room for this. Lifting seats with desk for taking notes arranged on platforms, so that the successive tiers will rise one above the other to insure an unobstructed view of

demonstration table. (See drawing.)

(6.) Electricity.— Provide three (3) forms of current, viz., primary or storage battery current variable by unit cells up to ten cells, direct current at 110 volts, 30 amperes and alternating current at 110 volts, 30 amperes. Provide regulating rheostat for the 110-volt direct current. Provide two 50-ampere ammeters, one a. c. and one d. c., and two 125-volt volt-meters, one a. c. and one d. c., all with extra large illuminated dials. Current to be brought to a special slate distributing panel upon which the rheostat and measuring instruments shall be mounted. Panel shall be located conveniently to table and so that instruments shall be in full view of class and instructor. Panel to be provided with suitable means for switching instruments to any circuit. and any or all circuits to table. Terminate table circuit in four 50-ampere d. p. s. t. knife switches on a slate panel under table. A projection lantern and receptacles for same at end of table and at rear of room. Lantern screen on spring roller at side of room, width of screen usually 12 feet, but dependent on distance and lenses used.

ADMINISTRATIVE FACILITIES. 8

ample space for storage of extra and reserve apparatus and original packages of stock chemicals. These should be kept in dust-proof cabinets with glass doors and in drawers.

(2.) Preparation-room.— This should adjoin the above. Primarily for storage of liquid chemicals in bulk and preparation of liquid reagents and storage of supply bottles, also fitted for teachers' laboratory. Should have wide centre table with gas in centre, working desks, with drawers and closets along two sides, also gas, water, sink, blast, suction, steam and electricity. Shelves along desks for storage of liquid chemicals, supply bottles and smaller reagent bottles. An adequate hood should be provided.

(3.) Office and Balance Room.—Adjoining store-room and preparation-room should be small room to contain desk, book shelves, table and a good grade balance.

PHYSICAL LABORATORY.

(1.) Size.— In a space about 30 by 40 feet.

A laboratory, apparatus-room and shop.

(2.) Light.— The same basis as for classrooms, one wall having as direct a southern exposure as possible for porte lumière studies. Artificial light as in a class-room. Dark curtains in addition to regular shades for darkening room. Windows and all openings admitting light fitted as specified for Assembly Halls (page 43).

(3.) Heating and Ventilation.—On same

general basis as for class-rooms.

(4.) Equipment.—Small laboratory tables to accommodate two or four pupils at each, built of hard wood, white pine tops, fitted with four drawers, supports and adjustable cross-bar. Wall tables around room on sides where there are windows, with one or two shallow drawers under, but not deep enough to interfere with comfort of pupil. Soapstone drip sinks with cold water to be provided at these tables, one to every six or eight pupils. Instructor's table, fitted with hot and cold water, Richards' pump, numerous cupboards and drawers of various depths and widths. Two-inch plank bolted to ceiling over this table, with space of 2 or 3 inches between plank and ceiling for attachment of pendulums and other apparatus. Provide electric outlet for stereopticon and screen for same.

(5.) Furniture.— Provide adjustable stools for all the tables and a sufficient number of tablet arm chairs to accommodate the entire division during demonstration exercises. Chairs to be placed in rectangle formed by pupils' tables and demonstration table. These are not in building contract, but to be laid

out on preliminary plans.

(6.) Electricity.— Provide three (3) forms of current, viz., primary or storage battery current variable by unit cells up to ten cells, direct current at 110 volts, 30 amperes and alternating current at 110 volts, 30 amperes. Provide regulating rheostat for the 110-volt direct current. Provide two 50-ampere ammeters, one a. c. and one d. c., and two 125-volt volt-meters, one a. c. and one d. c., all with

extra large illuminated dials. Current to be brought to a special slate distributing panel upon which the rheostat and measuring instruments shall be mounted. Panel shall be located conveniently to table and so that instruments shall be in full view of class and instructor. Panel to be provided with suitable means for switching instruments to any circuit and any or all circuits to demonstration table, pupils' tables or wall benches. Terminate demonstration table circuits in four 50-ampere, d. p. s. t. knife switches on a slate panel under table, and the other circuits in special polarized receptacles, or multiple series connection boards at each pupil's station.

(7.) Gas.—Pupils' tables to be equipped with gas, four cocks to each table. Wall tables to be equipped with gas. Demonstration table

to be provided with gas.

(8.) Bulletin Board.—25 to 50 square feet of bulletin board, covered with cork carpet, secured at edges, glued on like wall paper.

(9.) Blackboards.— As much blackboard space as possible. Sliding battery blackboards

back of demonstration tables.

(1.) Size.— One large or several small rooms, to open directly out of laboratory, and

connected with lecture-room.

(2.) Equipment.— To be fitted with dust-tight cases with adjustable shelves and sliding glass doors, 7 feet high; cabinets of drawers of various widths and depths, mostly narrow and shallow. Some of these cases may be in the laboratory if there is sufficient wall space. A small sink and hood should be provided.

A small shop is desirable, though not absolutely necessary. This should be equipped with work bench, motor-driven lathe and shelving for tools and stock, and may be

set up in apparatus-room.

BOTANICAL AND (1.) Size.— In a space about 30 by 40 feet. zoological Laboratory and apparatus-room.

(2.) Light.— Windows the same as for class-rooms, one wall with southern exposure.

Artificial light as in class-rooms.

(3.) Equipment.— (a.) Twenty-one pupils' tables, 54 inches by 24 inches by 30 inches high, each to accommodate two pupils, to have plate glass tops.

(b.) Soapstone sink, 72 inches by 30 inches,

APPARATUS-ROOMS.

SHOP.

LABORATORY.

10 inches deep, accessible on all sides. Supply with cold water, about 8 bibbs and 2 hose

bibb cocks.

(c.) One aquarium, 30 inches long, 20 inches wide and 20 inches high, with supply, gooseneck cock with aspirator and standing waste.

(d.) Ice chest, 36 inches by 24 inches.

(e.) Botanical laboratory provided with Wardian case, 72 inches long, 27 inches wide and 36 inches high, fitted with electrical heating apparatus automatically controlled by thermostat.

(t.) Cases built wherever practicable. Three sections to contain 42 pigeonholes, 3 inches by 3 inches by 8 inches, for storage of instruments. A liberal supply of cases to contain drawers and cupboards in lower compartments, and shelves above, for exhibition of specimens, storage of material, instruments, books, charts, etc.

(4.) Furniture. — Forty-two a djustable screw revolving chairs, not in building con-

tract.

GYMNASIUM AND DRILL HALL.

(1.) To be used in common for gymnasium exercises, athletic games and the drilling of the school cadets. On account of its size and for structural conditions to be generally located in the basement, with clear span of ceiling and combined height of basement and first story. Visitors' gallery generally provided at one end, entered from first floor.

(2.) Size.— The classes exercising in the gymnasium are from fifty to one hundred, and a suitable floor space for this number, as well as floor space for a full company of cadets at drill, is from 3,750 to 4,000 square feet. The

height should not be less than 24 feet.

(3.) Light.— Ample outside light in all cases. Artificial light from special electric ceiling fixtures protected with wire guards.

(4.) Heat and Ventilation.— The former sufficient to guarantee a temperature of about 60 degrees, and about twice as much ventilation as is customary for the ordinary classroom. This is, of course, insufficient for the number of people who might occasionally occupy the gymnasium for exhibitions, but it is more than enough for the ordinary number using it for class exercises.

(5.) Equipment.— The standard gymnastic apparatus consists of the following fixtures, which may be slightly modified in particular cases:

25 Bar stalls.

25 Bar stall benches. 2 Double booms. 4 Double boom saddles.

20 Vertical climbing ropes. 2 Swedish boxes.

12 Balance beams.

- 2 Pairs jump standards, 6 feet. 12 Pairs jump standard iron pins.
 - 6 Pairs jump standard ropes with weight on ends. 2 Pairs basket ball goals.

- 1 Fairbanks scale with measuring stand attached. 1 Dry spirometer and 24 glass mouth-pieces.
- 1 Tape, measuring 50 feet. 1 Truck for mat (small.) 2 Jump boards (incline).

1 Graphophone.

18 Records.

2 Brown mats, 5 feet by 5 feet by 2 inches. 2 Brown mats, 5 feet by 10 feet by 2 inches.

3 Basket balls.

2 Strike balls, 12 inches. 12 Medicine balls, $2\frac{1}{2}$ pounds.

4 Indoor baseballs. 2 Indoor baseball bats.

4 Volley balls.

24 Bean bags (green and red).

4 Bean bag boards.

75 Pairs ¾-lb. maple dumb bells. 6 Ring foil standards.

75 Pairs \(\frac{3}{4}\)-lb. maple Indian clubs.

1 Tennis net. 1 Volley net.

36 Rope quoits, 9 inches.

75 Maple wands, 3 inch diameter. 4 Basket ball whistles (tin).

6 Paper baskets. 6 Ring toss stands.

- 75 Solid rubber bounding balls, 2½ inches diameter.
- (6.) Gun Racks.—Racks for holding the gun carried by the cadets should be provided These racks should be protected by on walls. locked doors.

(7.) Special Rooms.—Adjoining gymnasium and drill hall two small rooms about 10 feet square should be provided for school

matron and director of gymnasium.

(8.) Dressing-rooms, Baths and Lockers.— (a.) System.—The clothing of all the pupils shall be placed in a central locker-room, each unit being numbered, and all being under the control of the attendant in charge. Dressingrooms shall be provided in number equivalent

to the number of a class.

(b.) Lockers.— The locker-room shall contain a pigeonhole case, 10-inch cube, one for each pupil in the school, and a counter over which to deliver the clothing. Adjoining this provide a dry-room, capable of being heated to a high temperature and thoroughly ventilated. This shall be fitted with hooks and wire clothesline.

(c.) Dressing-rooms.— The dressing-rooms are small cabins, about 3 feet square, with a locked door, a seat and hooks. Partitions shall stop 2 inches from the floor for ventila-

(d.) Showers.— The shower baths are to be 3 feet square, divided by slate or marble partitions, similar to those for water-closets, each having a bar at the front, over which a cotton sheet can be dropped. Each compartment to have two sprays in opposite corners.

Rooms shall be provided for drawing, and in boys' schools for shop work in addition.

(1.) Size.— The space for each subject should be about 1,500 to 1,800 square feet.

(2.) Light.— Windows and artificial light by special fixtures. North light preferable in the drawing-rooms.

(3.)

Floors.— Of wood.

Walls.— As in a manual training-room. (4.)

(5.)Ceilings.— As in a manual trainingroom.

Heating and Ventilation.—Same as in (6.)manual training-rooms.

(7.) Stock-room.— The lumber stock-room should contain at least 80 square feet, and preferably be rectangular. Shelves as directed.

Teachers' Closets.— As in manual train-(8.)

ing-room.

Fittings.— (a.) Bookeases, like those

in class-rooms, 150 capacity.

(b.) Cases.— For work in process, extra tools, supplies, drawing boards, models, paper, finished drawings, etc. (For all of these get directions and see former High School drawings.)

Display Frames.—Size and position as directed, to be of cork carpet, over soft wood

back with 2-inch moulding around.

(d.) Sink.— A 5-foot sink, with hot and cold water, fountains as directed.

MANUAL ARTS ROOM.

(10.) Equipment of Free-hand Drawingroom.—Provide for at least 25 oak drawing tables of approved type to be used by boys and girls in common.

(11.) Equipment for Mechanical Drawingroom.— (For boys only.) See Appendix XI.

and former High School drawings.

(12.) Equipment of Woodworking Rooms.— (For boys only.) Provide for at least 20 cabinet benches of approved type with quick action, iron vises. Provide glue pot with electric or gas connections as directed.

Machinery if directed.

(13.) Equipment of Metal-working Room.— (For boys only.) Six double benches 8 feet by 2 feet, fitted with 12 iron vises, $3\frac{1}{2}$ -inch jaw; wall bench fitted with 10 stations, tool drawers and 5 tool holders; one $\frac{3}{4}$ -inch gas hose cock terminal above each bench station; 2 gas blast burners, 1 large, 1 small; metal-covered bench with ventilated hood; 1 muffle furnace, ventilated; 1 drill; 1 grindpair bench shears. Machinery if stone: directed.

(14.) Motor.— If directed.
(15.) Blackboards.— For each class-room for above subjects provide about 15 running feet

of slate blackboard 4 feet high.

(1.) Size.— The space should be about 1,200 square feet, and should accommodate the kitchen, two small rooms for showing the care of a dining-room and of a bedroom, and a china closet and pantry.

(2.) Light, Heat, etc.— The same as that for other rooms, with additional ventilation in

the kitchen.

(3.) Equipment.— The kitchen to contain an equipment as may be decided upon by the Board after consultation; a kitchen pantry fitted with shelving and a china closet fitted with a sink; drawers, cupboards and shelves enclosed with glass doors. The dining-room and bedroom simply finished rooms, having

no equipment except the furniture.

LUNCH-ROOMS.

(1.) In General.— The lunch-rooms in Boston schools have usually been located in the basement and where these are high and well lighted this location seems to serve satisfactorily. They should, however, have the special ventilation that is provided in a basement cooking-room. In size they should

HOUSEHOLD SCIENCE.

accommodate comfortably, seated at benches or small tables, that proportion of the pupils in the school which takes advantage of the

luncheon facilities.

(2.) Equipment.— (a.) The counter should be set at height as required, and should have a rail 2 feet from it, with openings at intervals to keep children in single file, and there should be accommodation under the counter for dishes.

(b.) Range.— A six-hole gas range, with

ample oven space.

(c.) Sinks.— Two good-sized soapstone sinks.

(d.) Ice-box.— Of sufficient size to take

care of milk supply.

(e.) Lockers.—Sufficient to care for the clothing of the attendants, and for mops and brooms, etc. These should not be under the counter or near any place where food is kept.

(f.) Furniture.— In some cases the children are provided with camp chairs and small round tables to seat four. In others ordinary school benches have been provided. Both seem fairly

satisfactory in operation.

A space equivalent to a small class-room is ample for library purposes. The book accommodation will depend somewhat on the size of the school. The library is planned as a reading-room, that is, with the books in the room and not in a separate stack-room.

(1.) In high schools large locker rooms—one for girls and one for boys—are to be provided, preferably in basement, fitted with metal lockers as the Board may direct; metal lockers are to be under separate contract.

(2.) Light.— The rooms should have outside light. Artificial light by ceiling or short

pendent electric fixtures.

(3.) Heat and Ventilation.— This should be thoroughly well heated and ventilated similar

to class-rooms.

(4.) Equipment.— The poles, hooks, etc., will be similar to those used in other schools, but more space should be given the girls, i. e., about 1 foot 6 inches on centre. It has been found desirable to have some locked pigeonholes, 20 by 20 by 12 inches. These are not required when metal lockers are used.

LIBRARY.

WARDROBES.

ELECTRIC WORK.

(1.) Service.— This should enter basement underground at location to be determined by reference to street mains and should terminate on a switchboard located in a fireproof closet, opening if possible into the basement corridor.

(2.) Conduits.—All wires to be run in wrought iron or steel conduit concealed, except basement runs larger than 1 inch, I. P. S. All joints to be made with standard couplings, using red or white lead. Each conduit run to terminate in a suitable iron or steel outlet or junction box.

(3.) Wire Slot.— Obtain from electrical division the location of slots and openings for

conduits and panel boards.

(4.) Cabinets.— All cabinets to be of steel and shall be furnished and set in place by wiring contractor, but the general contractor will provide and install doors and trim.

(5.) Cutting.— All cutting and patching to

be done by the general contractor.

(6.) Outlets.—Class-rooms to be provided with nine single-light ceiling outlets, controlled by three switches, and one cord drop over teacher's desk. Wardrobes to have one ceiling outlet, controlled by switch in class-room. Corridors to be lighted from ceiling wherever possible. Height of side outlets in rooms and corridors to be 6 feet 6 inches. Switch outlets in class-rooms to be 6 feet, elsewhere 4 feet. Switches in corridors, playrooms and pupils' toilet-rooms to be operated by private key.

(7.) Fixtures.— Fixtures in class-rooms to be of special design to combine a direct and

diffused light.

(8.) Projection Lantern.— All grammar schools and high schools to be provided with an electric projection lantern with reflectoscope attachment, and high schools shall in addition to above be provided with a motion picture

projector enclosed in a suitable booth.

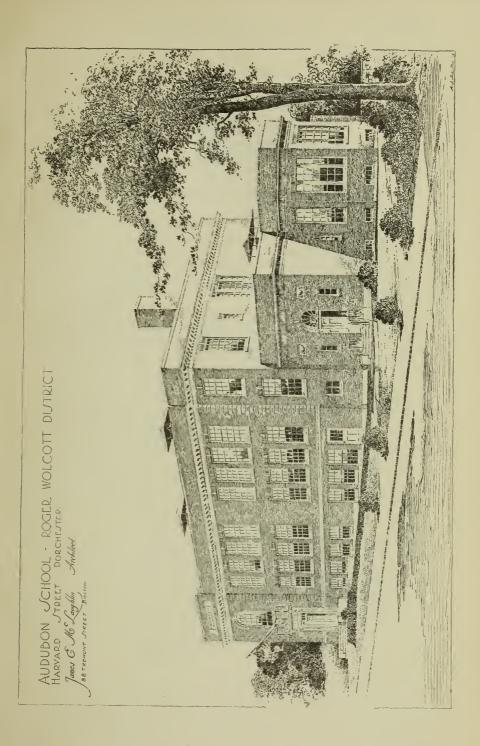
(9.) Clocks and Bells.—All schools to be provided with an electric system of clocks, operated by a master clock. All primary schools to be provided with a system of signal bells, operated by push buttons. In all grammar and high schools the bell system to be operated automatically by master clocks according to prearranged program.

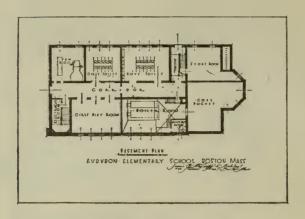
(10.) Telephones.—In all schools, each class-room, hall, teachers' room, nurse's room, and boiler-room to be connected to master's office or to room occupied by the first assistant

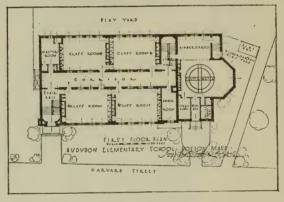
by a telephone system.

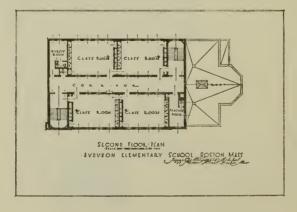
(11.) Gas and Air.— Gas outlets to be provided in all corridors, vestibules, stairways, boiler-room and assembly hall exits; all to be wall outlets. High schools shall in addition to above have laboratory tables piped with systems of gas and compressed air. Gaspiping to be included in the electrical engineer's work.

(12.) Vacuum Cleaner System.— All schools to be provided with a vacuum cleaner machine connected by means of suitable piping to various inlet valves distributed throughout the building.









APPENDIX VII.

NEW BUILDINGS.

Item 13.—Roger Wolcott District. This two story building is to be erected on Harvard street, between Brookview and Fabian streets.

The basement contains boys' and girls' toilet-rooms, girls' play-room, store-room, boiler, fan, janitor's room and coal pocket. The first floor contains four regular class-rooms, 23 feet by 29 feet; two kindergarten-rooms, a master's room and store-room. The second floor contains four regular class-rooms, nurse's and teachers' room.

The building is lighted throughout with electric lights, bilateral system, 9 lights, and teacher's light in each class-room. It is also furnished with master clock, electric clocks in class-rooms, and telephone connection from teacher's room to each class-room.

Heating and Ventilating System.— This building contains a plenum system of ventilation. One horizontal return tubular boiler supplies steam to the heating system at a pressure of from one to five pounds, the water of condensation returning to the boilers by gravity.

The fan, belt-driven by an electric motor, furnishes air for ventilation. The air is heated through a primary stack of indirect radiators, temperature being maintained at 68 degrees Fahrenheit by mixing dampers controlled automatically by a thermostat with graduated action and located in the fresh-air duct.

The building is warmed by direct radiators. Those in the class-rooms are the wall pattern, placed under the windows and automatically controlled by positive thermostats.

All water-closets in the basement toilet-rooms are provided with outlets for seat ventilation, which are brought together by galvanized-iron ducts and are connected to suction side of electric fans. These fans discharge the air through separate galvanized-iron flues to the top of the main ventilator. ('onnection is also made to the space back of the urinal.

APPENDIX VIII.

City of Boston.—Public Schools.—Assessed Valuations.—Land and Buildings.

NAME.	Location.	Land, Assessed Valuation.	Building, Assessed Valuation.	Total Assessed Valuation.
Aaron Davis.	Yeoman street, Roxbury	\$10,900	\$44,000	\$54,900
Abby W. May.	Thornton street, Roxbury	3,600	41,000	44,600
Abraham Lincoln	Payette street, eity.	177,700	280,000	457,700
Abram E. Cutter	Medford street, Charlestown	4,800	13,000	17,800
Adams Street	Adams street, Derchester	5,300	2,500	7,800
Agassiz	Brewer street, Januaica Plain	19,600	112,000	131,600
Albert Palmer	Eustis street, Roxbury	12,900	45,000	92,900
Amos Webster	Hilton street, Hyde Park	1,300	9,200	10,500
Andrews	Genesee street, eity	28,700	114,000	142,700
Asa Gray	Weston street, Roxbury	12,000	38,000	20,000
Atherton	Columbia road, Dorchester	10,600	20,000	009*09
Auburn	School street, Brighton	1,900	5,000	006*9
Austin	Paris street, East Boston	7,000	8,000	15,000
Bailey Street.	Bailey street, Dorchester	5,100	006'9	12,000
Baldwin	Chardon street, eity	24,600	13,000	37,600
B. F. Tweed	B. F. Tweed	16,800	39,000	55,800

Benedict Fenwick	Magnolia street, Dorchester	20,200	62,800	83,000
Benjamin Cushing	Robinson street, Dorchester	6,300	000'09	66,300
Benjamin Dean	H street, South Boston	4,600	42,000	46,600
Benjamin Pope	O street, South Boston	8,000	45,000	53,000
Bennett	Chestnut Hill avenue, Brighton	11,000	74,000	85,000
Bennett Branch	Dighton street, Brighton	2,900	15,000	17,900
Bigelow.	West Fourth street, South Boston	29,000	180,000	209,000
Blackinton	Blackinton street, East Boston	20.600	124,000	144,600
Boston Trade School	Parker and Archibald streets, Roxbury	56,100	285,000	341,100
Bowditch	Green street, Jamaica Plain	15,400	104,000	119,400
Bowdoin	Myrtle street, city	46,000	109,000	155,000
Brighton High	Cambridge street, Brighton	42,900	222,000	264,900
Bunker Hill	Baldwin street, Charlestown	20,600	67,400	88,000
Butler	East River street, Hyde Park	200	300	800
Canterbury Street	Canterbury street, West Roxbury	2,000	2,000	4,000
Capen	Sixth street, South Boston	5,600	34,000	39,600
Chapman	Eutaw street, East Boston	17,500	130,000	147,500
Charles Bulfinch	Parker street and Fisher avenue, Roxbury	19,500	000'62	98,500
Charles C. Perkins	St. Botclph street	48,000	76,500	124,500
Charles E. Daniels	Mead street, Charlestown	4,700	9,300	14,000
Charles Sumner	Ashland street, Roslindale	3,600	50,000	53,600
Charlestown High	Monument square, Charlestown	24,200	299,800	324,000
An experience of the second se		The second secon		the same of the sa

City of Boston.—Public Schools.—Assessed Valuations.—Land and Buildings.—Continued.

NAME,	Location.	Land, Assessed Valuation.	Building, Assessed Valuation.	Total Assessed Valuation.
Chestnut Avenue	Chestnut avenue, Roxbury	\$5,500	\$12,000	87,500
Choate Burnham	East Third street, South Boston	5,100	000,09	65,100
Christopher Columbus	Tileston street, city	45,000	173,000	218,000
Christopher Gibson	Bowdoin avenue, Dorchester	006'6	111,000	120,900
Clinch	F street, Scuth Boston	8,100	33,000	41,100
Comins	Tremont street, Roxbury	33,300	41,000	74,300
Commodore Barry	Belmont square, East Boston	8,400	55,000	63,400
Continuation	Common street, city	51,300	38,700	000,00
Copley	Bartlett street, Charlestown	19,300	64,000	83,300
Cottage Place	Cottage place, Roxbury	10,600	2,500	13,100
Cudworth	Gove street, East Boston	31,300	80,000	111,300
Cushman	Parmenter street, city	105,500	57,000	162,500
Cyrus Alger	Seventh street, South Boston	10,000	48,000	58,000
Common Building	Tremont Entrance to Fenway			11
Damon	Readville street, Hyde Park	4,700	20,000	24,700
Dearborn	Ambrose street, Roxbury	29,300	223,000	252,300
Dillaway	Kenilworth street, Roxbury	17,100	000'62	96,100
Dorchester Avenue	Dorchester avenue, corner Gibson street, Dorchester	15,300	2,500	17,800
Dorchester High	Talbot avenue, Dorchester,	54,300	456,000	510,300

Drake	C street, South Boston	12,800	33,000	45,800
Dudley	Dudley and Putnam streets, Roxbury	26,300	132,000	158,300
Dwight.	West Springfield street, city	31,100	54,500	85,600
East Boston High	Marion street, East Boston	20,600	281,000	301,600
Edmund P. Tileston	Norfolk street, Mattapan	10,500	145,000	155,500
Edward Everett	Pleasant street, Dorchester	25,100	107,500	132,600
Elbridge Smith	Centre street, Dorchester	23,700	000'09	83,700
Elihu Greenwood	Metrcpolitan avenue, Hyde Park	4,600	34,000	38,600
Eliot.	North Bennct street, city	38,600	45,000	83,600
Elizabeth Peabody	Poplar street, city	16,300	15,200	31,500
Ellen H. Richards	Beaumont street, Dorchester	7,800	44,000	51,800
Ellis Mendell	School street, Jamaica Plain	13,800	122,000	135,800
Emerson	Prescott street, East Boston	20,000	101,000	121,000
Emily A. Fifield	Dunbar avenue, Dorchester	4,500	159,000	163,500
English High	Montgomery street, city	256,900	527,000	783,900
Everett	West Northampton street, city	45,400	105,500	150,900
Fairmount	Williams avenue, Hyde Park	4,400	27,000	31,400
Farragut	Fenwood road, Roxbury	23,700	165,000	188,700
Florence Nightingale	West Park street, Dorchester	11,900	000,09	71,900
Florence street	Florence street, Roslindale	3,000	5,000	8,000
Franklin	Waltham street, city	41,100	50,000	91,100
Frances E. Willard	Ruthand street, city	11,800	18,100	29,900

¹ Assessed under Normal Group.

City of Boston.— Public Schools.— Assessed Valuations.— Land and Buildings.— Continued.

NAME.	Location.	Land, Assessed Valuation.	Building, Assessed Valuation.	Total Assessed Valuation.
Francis Parkman	Walk Hill street, Forest Hills	\$4,000	\$122,000	\$126,000
Frederic A. Whitney	Armington street, Brighton	4,300	50,000	54,300
Frederic W. Lincoln	Broadway, South Boston	14,700	48,000	62,700
Freeman	Charter street, city	26,200	28,000	54,200
Frothingham	Prospect street, Charlestown	31,000	81,000	102,000
· Frothingham Annex	Prospect street, Charlestown			1
Gaston	East Fifth street, South Boston	17,700	104,000	121,700
George Bancroft	Appleton street, near Dartmouth street, city	46,100	35,000	81,100
George Frisbie Hoar	West Fifth street, near D street, South Boston	18,000	000,69	87,000
George Putnam	Columbus avenue, near Egleston square, Jamaica Plain,	23,400	121,000	144,400
George T. Angell	Harrison avenue and Hunneman street, city	39,400	55,200	94.600
Germantown	Washington street, Germantown	2,700	10,000	12,700
Gilbert Stuart	Richmond street, Dorchester	9,300	114,000	123,300
Girls' High	West Newton street, city	56,200	458,900	515,100
Girls' Latin	Tremont Entrance to Fenway			64
Glenway	Glenway street, Dorchester			90
Glenway Annex	Glenway street, Dorchester			es
Grant.	Phillips street, city	9,400	9,100	18,500
Hancock	Hancock Parmenter street, city	165,700	54,800	220,500

Hancoek Annex	Parmenter street, city	•		*
Harbor View Street	Harbor View street, Dorchester	11,100	15,000	26,100
Haris	Adams street, Dorehester	9,300	20,300	29,600
Harvard	Devens street, Charlestown	21,200	81,800	103,000
Harvard	North Harvard street, Brighton	3,100	11,000	14,100
Hawes Hall	Broadway, South Boston	30,400	42,000	72,400
Heath Street	Heath street, Roxbury	4,800	1,000	5,800
Нетепway	Wolcott street, IIyde Park	1,300	8,400	9,700
Henry Grew	Gordon avenue, Hyde Park	8,100	45,000	53,100
Henry L. Pieree	Washington street, Doreheater	32,200	118,000	150,200
Henry Vano	Baker street, West Roxbury	2,500	31,000	33,500
High Sehool of Commerce	Avenue Louis Pasteur, Roxbury	82,900	480,000	562,900
High School of Practical Arts	Greenville street, Roxbury	26,900	357,000	383,900
High School of Practical Arts Annex	Greenville street, Roxbury			vo
Hillside	Elm street, Jamaica Plain	13,000	32,000	45,000
Hobart Street	Hobart street, Brighton	4,500	17,000	21,500
Horace Mann	Newbury street, city	42,000	87,000	129,000
Howard Avenue	Howard avenue, Dorehester	11,500	113,000	124,500
Howard Avenue Annex	Howard avenue, Dorehester			9
Hugh O'Brien	Dudley and Langdon streets, Roxbury	28,400	126,000	154,400
Hugh O'Brien Annex	Dudley and Langdon streets, Roxbury			t-a
Assessed under Frothingham.	² Assessed under Normal Group.	Assessed under	3 Assessed under William E. Endicott.	

7 Assessed under Hugh O'Brien. Assessed under William E. Endleott. Orangnam.

Assessed under High School of Practical Arts.

Assessed under Howard Avenue. 4 Assessed under Haneock.

City of Boston.—Public Schools.—Assessed Valuations.—Land and Buildings.—Continued.

NAME.	Location.	Land, Assessed Valuation.	Building, Assessed Valuation.	Total Assessed Valuation.
Hall	Quincy street, Roxbury	\$7,000	\$45,000	\$52,000
Hyde	Hammond street, Roxbury	20,800	121,000	141,800
Hyde Park High	Everett street, Hyde Park	10,000	85,000	95,000
Ira Allen	Parker street, Roxbury	13,600	54,000	67,600
Jacob Foss	Adams and Chestnut streets, Charlestown	23,000	3,500	26,500
James A. McDonald	Polk street, Charlestown			1
James Otis	Paris and Marion streets, East Boston	10,400	161,400	171,800
Jefferson	Heath street, Roxbury	11,500	211,000	222,500
John A, Andrew	Dorchester street, South Boston	14,200	000'89	82,200
John Boyle O'Reilly	Dorchester street, South Boston	12,500	113,000	125,500
John Cheverus	Moore street, East Boston	18,900	103,000	121,900
John D. Philbrick	Folsom street, West Roxbury	2,700	59,700	62,400
John G. Whittier	Southern avenue, Dorchester	006*9	83,100	000,00
John J. Williams	Groton street, city	23,400	000,69	92,400
John L. Motley	Savin Hill avenue, Dorchester	12,300	25,000	37,300
John Winthrop	Brookford and Dacia streets, Roxbury	11,100	110,000	121,100
Joseph Tuckerman	Fourth and L streets, South Boston	15,100	000,77	92,100
Joshua Bates	Harrison avenue, city	19,000	48,000	67,000
Julia Ward Howe	Dale street, Roxbury	13,900	000'49	78,900

⁵ Assessed under Harbor View Street.

Julia Ward Howe Annex	Dale street, Roxbury			64
Lafayette	Ruggles street, Roxbury	13,800	62,800	76,600
Lawrence	B street, South Boston	14,300	42,000	56,300
Lewis	Paulding street, Roxbury	24,100	108,000	132,100
Little Em'ly	Adams street, Dorchester			99
Longfellow	Hewlett and South streets, Roslindale	000'6	131,000	140,000
Louisa May Alcott	West Concord street, city	17,500	35,000	52,500
Louis Prang	Bartlett street, Roxbury	6,900	26,000	32,900
Lowell.	310 Centre street, Jamaica Plain.	22,900	44,500	67,400
Lowell Annex	Mozart street, Jamaica Plain		:	•
Lucretia Crocker	Parker street, Roxbury	16,500	53,000	69,500
Lyceum Hall	Meeting House Hill, Dorchester	10,600	20,000	30,600
Margaret Fuller	Glen road, Jamaica Plain	5,700	40,000	45,700
Marshall	Westville street, Dorchester	14,600	183,000	197,600
Martha A. Baker	Walk Hill street, Dorchester	4,500	24,500	29,000
Martin	Huntington avenue, Roxbury	63,700	105,000	168,700
Mary Hemenway	Adams street, Dorchester	000'6	122,000	131,000
Mary L. Brock	Chestnut Hill avenue, Brighton	13,700	20,000	33,700
Mary Lyon	Turner and Hester streets, Brighton	000'9	40,000	000,9₺
Mather	Meeting House Hill, Dorchester	43,000	302,500	345,500
Mayflower	Harbor View street, Dorchester			19

² Assessed under Julia Ward Howe. ³ Assessed under Harris.

¹ Assessed under Polk Street.

³ Assessed under Harris.

⁴ Assessed under Lowell.

City of Boston.— Public Schools.— Assessed Valuations.— Land and Buildings.— Continued.

Total Assessed Valuation.	\$160,000	745,000	73,500	27,800	6,100	15,800	56,100	14,500	84,000	e e	55,000	c4	83,000	975,000	23,600	10	2,200	•	50,200
Building, Assessed Valuation.	\$107,000	648,000	64,000	23,000	3,700	000'9	42,000	0,800	000'89		48,000		73,000	750,000	20,000		1,000		40,000
Land, Assessed Valuation.	\$53,000	000,79	9,500	4,800	2,400	008'6	14,100	7,700	16,000		2,000		10,000	225,000	3,600		1,200		10,200
Location.	Chambers street, city.	Belvidere street, city	Neponset avenue, Neponset	Beech street, West Roxbury	Mt Pleasant avenue, Roxbury	Mt. Vernon street, West Roxbury	Roxbury and King streets, Roxbury	Common street, Charlestown	Cedar street, Roxbury	Harlow street, Roxbury.	Princeton street, East Boston	Princeton street, East Boston	D street, South Boston	Huntington avenue, Roxbury	Nonantum street, Brighton	Burroughs street, Jamaica Plain.	Baker street, West Roxbury	Dearborn place, Roxbury	Sumner street, Dorchester
NAME.	Mayhew	Mechanic Arts High	Minot	Mozart.	Mt. Pleasant Avenue	Mt. Vernon Street	Miles Standish.	Nahum Chapin	Nathan Hale	Nathaniel Hawthorne	Noble	Noble Annex	Norcross	Normal Group*	Oak Square	Old Agassiz	Old Baker Street	Old Dearhorn	Old Edward Everett

Old Gibson	Athelwold street, Dorchester	:		u
Old Mather	Meeting House Hill, Dorchester			ø
Old Parkman	Silver street, South Boston	2,700	0,000	8,700
Oliver H. Perry	East Seventh street, South Boston	11,200	146,000	157,200
Oliver Holden	Pearl street, Charlestown	10,700	5,300	16,000
Oliver Wendell Holmes	School street, Dorchester	23,000	195,000	218,000
Parkman	Broadway, South Boston	23,400	28,000	51,400
Patrick A. Collins	Worthington street, Roxbury			P
Paul Jones	Horace street, East Boston	2,000	114,000	121,000
Paul Reverc.	Prince street, eity.	113,900	164,600	278,500
Peter Faneuil	Joy street, city	80,000	110,000	190,000
Philip H. Sheridan	Prescott street, East Boston	10,100	74,000	84,100
Phillips Brooks	Quincy and Perth streets, Dorchester	13,300	125,000	138,300
Phineas Bates	Beech street, West Roxbury	2,200	28,000	30,200
Pierpont.	Hudson street, eity	006'2	22,100	30,000
Plummer	Belmont street, East Boston	21,000	000'68	110,000
Polk Street	Polk street, Charlestown	7,700	82,300	000'06
Pormort.	Snelling place, city	009'9	9,400	16,000
Prescott	Elm street, Charlestown	7,100	26,400	33,500
Prescott Annex	Elm street, Charlestown	:		on!
Prince	Newbury street, city	137,800	132,000	269,800
* Includes Assessed under Howard Avenue. Assessed under Oliver Wendell Holmes.	* Includes assessed valuation of Girls' Latin, Patrick A. Collins and Common Building. ² Assessed under Noble. ³ Assessed under Agassiz. ⁶ Assessed under Mather. ⁷ Assessed under Normal Group.	Collins and Common Building. Assessed under Agassiz. Assessed under Normal Group.		Assessed under Dearbern. Assessed under Prescott.

City of Boston.—Public Schools.—Assessed Valuations.—Land and Buildings.—Continued.

NAME.	Location	Land; Assessed Valuation.	Building, Assessed Valuation.	Total Assessed Valuation.
Public Latin	Warren avenue, city			1
Quincy	Tyler street, city.	\$36,000	869,000	\$105,000
Quincy E. Dickerman	Magnolia street, Dorchester	8,800	88,000	96,800
Quincy Street	Quincy street, Dorchester	5,700	4,900	10,600
Rice	Dartmouth street, city	74 600	65,000	139,600
Richard C. Humphreys	Sumner street, Dorchester		:	01
Robert G. Shaw	Hastings street, West Roxbury	9,200	58,000	67,200
Robert Swan	Thetford avenue and Evans street, Dorchester	8,400	37,000	45,400
Rochambeau	Gibson street, Dorchester	8,400	143,300	151,700
Roger Clap	Harvest street, Dorchester	8,600	000'29	75,600
Roger Wolcott	Morton and Norfolk streets, Mattapan	11,100	137,000	148,100
Roxbury High	Warren street, Roxbury	27,700	384,000	411,700
Samuel Adams	Webster street, East Boston	24,400	143,000	167,400
Samuel Dexter	Harvard street, Charlestown	8,600	11,400	20,000
Samuel G. Howe	Fifth street, South Boston	8,700	43,000	51,700
Samuel W. Mason	Norfolk avenue, Roxbury	14,000	118,000	132,000
Sarah J. Baker	Perrin street, Roxbury	13,800	161,000	174,800
Savin Hill.	Savin Hill avenue, Dorchester	7,000	13,700	20,700
School Street	School street, Roxbury			09
Sharp	Anderson street, city.	23,800	19,200	43,000

Sherwin	Madison square, Roxbury	25,600	103,000	128,600
Shurtleff	Dorchester street, South Boston	30,400	75,000	105,400
Simonds	Broadway, South Boston			•
Skinner	Fayette street, city	26,600	26,400	53,000
Smith Street	Smith street, Roxbury	4,200	1,000	5,200
Somerset Street	Somerset street, corner Allston street, city	75,600	8,400	84,000
South Boston High	Thomas park, South Boston	47,800	343,700	391,500
Stephen M. Weld	Seymour street, West Roxbury	4,000	47,000	51,000
Stoughton	River street, Dorchester	3,700	15,000	18,700
School Committee Building	Mason street, city	307,400	12,600	320,000
Tappan	Lexington street, East Boston	006'9	48,600	55,500
Theodore Lyman	Paris and Gove streets, East Boston	21,000	114,000	135,000
Thomas Dwight	Phillips street, Roxbury	14,200	35,000	49,200
Thomas Gardner	Athol and Brentwood streets, Brighton	10,900	140,000	150,900
Thomas Gardner Annex	Athol street, Brighton			м
Thomas N. Hart	East Fifth street, South Boston	10,500	131,000	141,500
Thomas Starr King	Bunker Hill street, Charlestown			40
Thornton Street	Thornton street, Roxbury	2,000	1,000	3,000
Trade School for Girls	620 Massachusetts avenue, city	22,200	22,900	45,100
Trescott	Tileston avenue, Hyde Park.	4,200	49,000	53,200
Tyler Street.	Tyler street, city	21,600	20,000	41,600
1 Assessed under English High.	² Assessed under Old Edward Everett. ³ A sasessed under Thomas Gardner. ⁶	³ Assessed under George Putnam ⁶ Assessed under Bunker Hill.	George Putnam. Bunker Hill.	

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City of Boston.— Public Schools.— Assessed Valuations.— Land and Buildings.— Concluded.

NAME.	Location.	Land, Assessed Valuation.	Building, Assessed Valuation.	Total Assessed Valuation.
Ulysses S. Grant.	Paris street, East Boston	\$22,000	\$116,500	\$138,500
Wait	Shawmut avenue, city	49,000	28,000	77,000
Walnut Street	Walnut street, Neponset	4,600	10,000	14,600
Warren	Summer street, Charlestown	17,200	45,000	62,200
Washington	Norman street, city	74,600	325,500	400,100
	Cambridge street, Brighton	26,800	20,000	76,800
Washington Allston Annex	Cambridge street, Brighton			1
Wasnington Street.	Washington street, Forest Hills	3,300	1,000	4,300
Way Street.	Way street, near Harrison avenue, city	4,400	5,000	9,400
Weld	Highland street, Hyde Park	2,200	5,400	7,600
Wells	Blossom street, city	39,400	60,500	006'66
Wendell Phillips.	Phillips street, city	53,500	40,200	93,700
West Roxbury High	Flm street, Jamaica Plain	20,000	130,000	150,000
William Bacon	Vernon street, Roxbury	23,100	80,000	103,100
William Blackstone	Blossom street, city	65,000	174,000	239,000
William Bradford.	Willowwood street, Dorchester	5,300	42,000	47,300
William Brewster	Morton street, Mattapan	8,900	26,100	35,000
William Brewster Annex	Morton street, Mattapan			64
William C. Bryant	Kenilworth street, Roxbury	3,500	30,000	33,500

William E. Endicott	McLellan street, Dorchester	19,400	94,500	113,900
William E. Russell	Columbia road, Dorchester	39,300	188,000	227,300
William Eustis	George street, Roxbury	12,300	21,600	33,900
William H. Kent	Moulton street, Charlestown	8,000	53,500	61,500
William Lloyd Garrison	Hutchings street, Roxbury	18,000	157,000	175,000
William Wirt Warren	Waverly street, Brighton	3,500	40,000	43,500
Williams	Homestead street, Roxbury	10,500	40,000	50,500
Winchell	Blossom street, city	60,500	115,000	175,500
Winship.	Dighton street, Brighton	2,600	116,000	123,600
Winthrop Street	Winthrop street, Roxbury	4,900	1,000	5,900
W. L. P. Boardman	Munroe street, Roxbury	9,400	53,000	62,400
Wyman	Wyman street, Jamaica Plain.	12,200	42,000	54,200

¹ Assessed under Washington Allston.

² Assessed under William Brewster.

Vacant Lots and Portable Buildings.

NAME.	Location.	Land, Assessed Valuation.	Building, Assessed Valuation.	Total Assessed Valuation.
Harvard street	Dorchester	\$4,800		\$4,800
Norfolk street	Dorchester	9,100		9,100
25 Warrenton street	City	7,100	\$2,800	006'6
Avenue Louis Pasteur	Roxbury	114,000		114,000
Glenway and Harvard streets	Dorchester	30,700		30,700
Washington and Stimson streets	Germantown	800		800
Grove street lot	West Roxbury	800		800
Everett street lot	Dorchester	3,800	3,000	0,800
Rosewood street lot	Dorchester	3,300	200	3,800
Brainerd road	Brighton	6,500		6,500
Washington street and Corey road	Brighton	000'6		000'6
Union street	Brighton	10,000		10,000
Charter street lot	City.	58,500		58,500
Frankfort, Porter and Lubec streets	East Boston	13,500		13,500
105 old style portables at \$2,000 apiece			210,000	210,000
32 new style portables at \$2,000 apiece			64,000	04,000

Grand Totals.

- Gra					
Letters.	Land, Assessed Valuation.	Building, Assessed Valuation.	Total Assessed Valuation.		
A	\$296,300	\$7 61,700	\$1,058,000		
B	330,600	1,449,400	1,780,000		
C	468,400	1,445,800	1,914,200		
D	190,900	1,000,000	1,190,900		
E	488,700	1,746,200	2,234,900		
F	166,100	654,100	820,200		
G	222,200	976,200	1,198,400		
н	536,700	1,891,300	2,428,000		
I	13,600	54,000	67,600		
J	194,900	1,196,700	1,391,600		
L	135,600	522,300	657,900		
M	350,800	1,730,700	2,081,500		
N	265,700	945,800	1,211,500		
0	62,600	413,300	475,900		
P	438,000	1,004,800	1,442,800		
Q	50,500	161,900	212,400		
R	148,000	891,300	1,039,300		
s	625,600	1,141,400	1,767,000		
т	113,500	561,500	675,000		
U	22,000	116,500	138,500		
w	606,400	1,974,300	2,580,700		
Vacant lots	271,960	6,300	278,200		
Portable buildings		274,000	274,000		
Grand Totals	\$5,999,000	\$20,919,500	\$26,918,500		





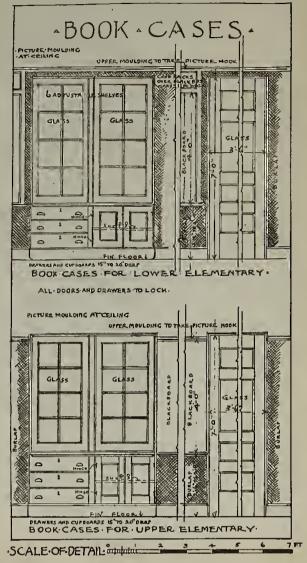


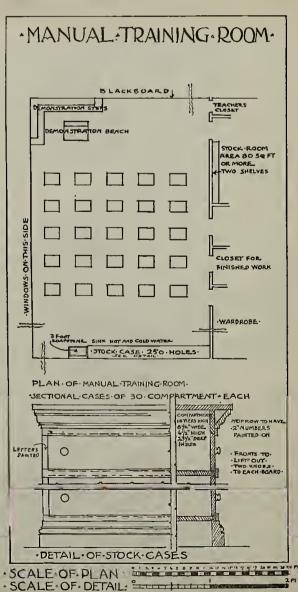


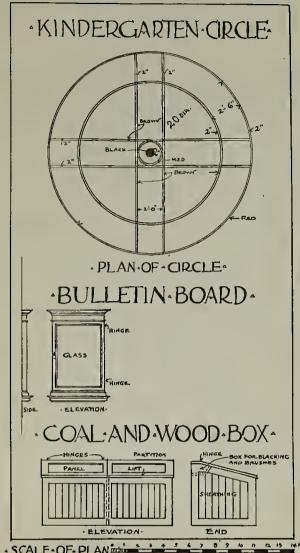
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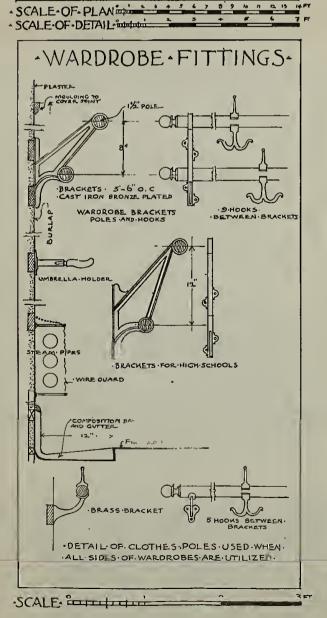


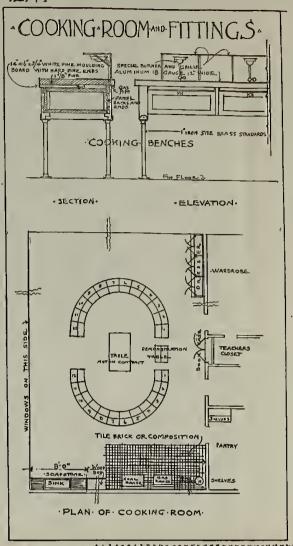
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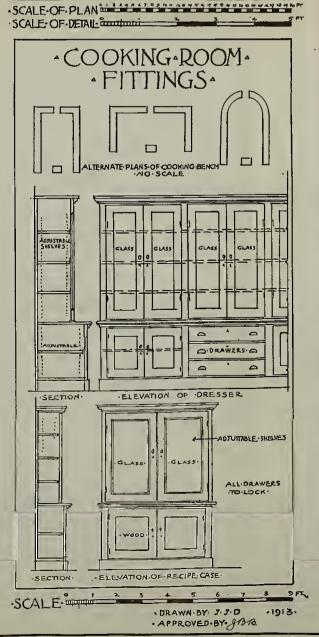


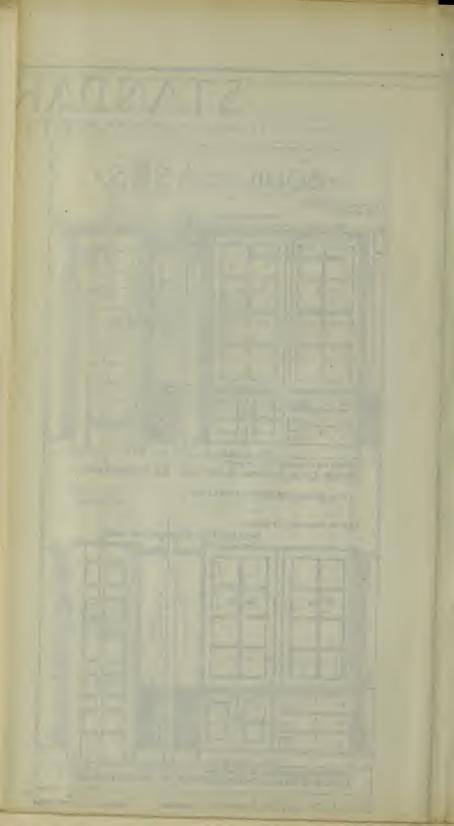




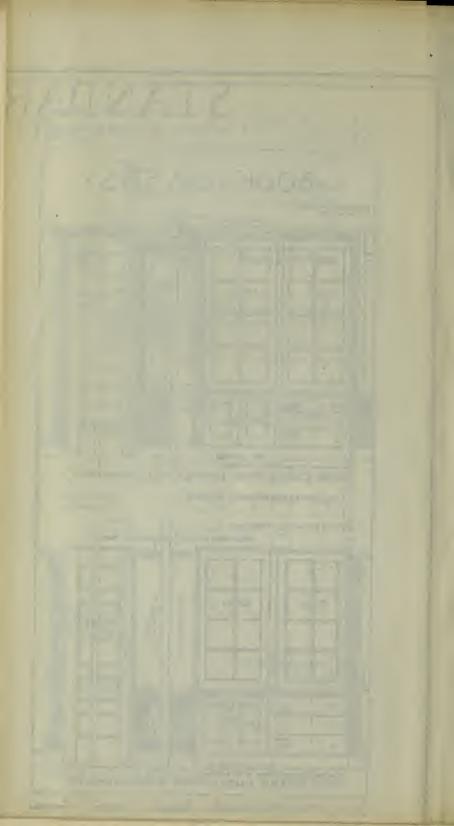




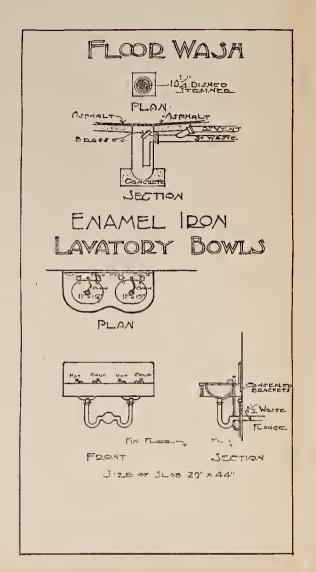


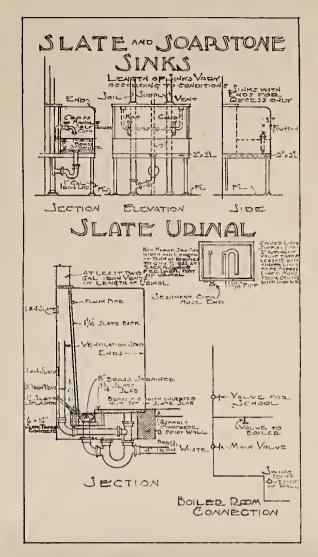


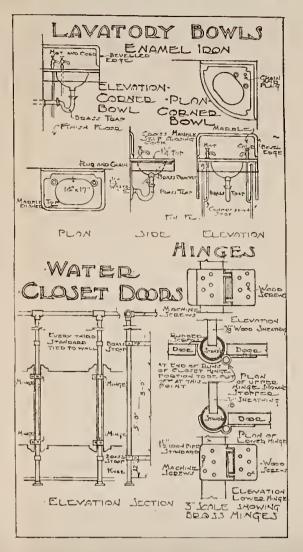
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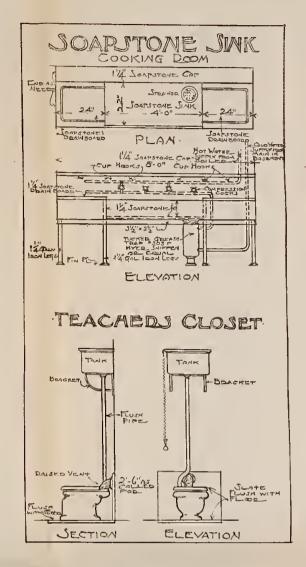


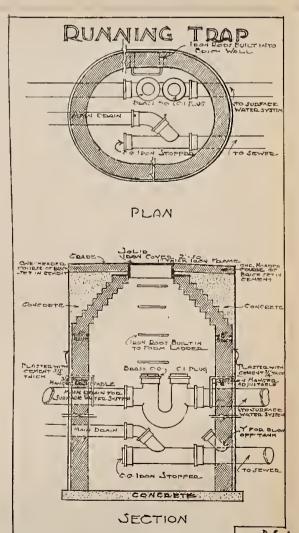
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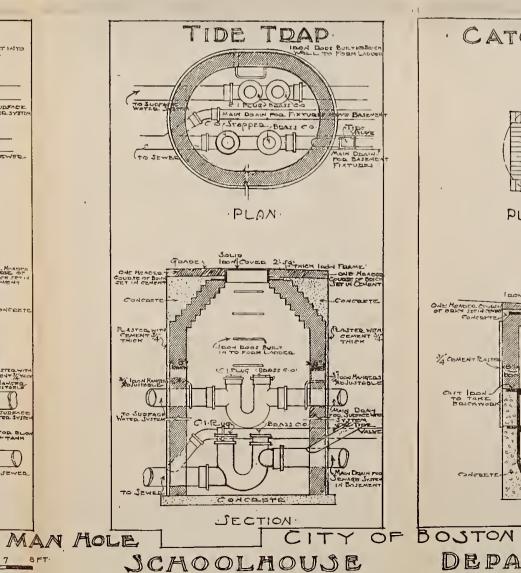


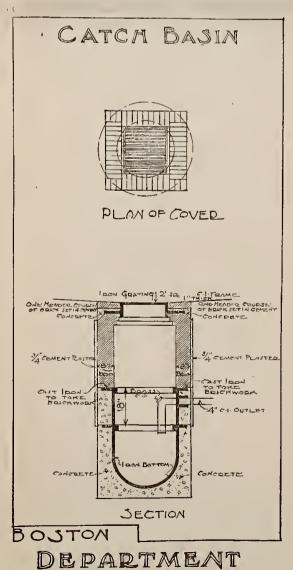


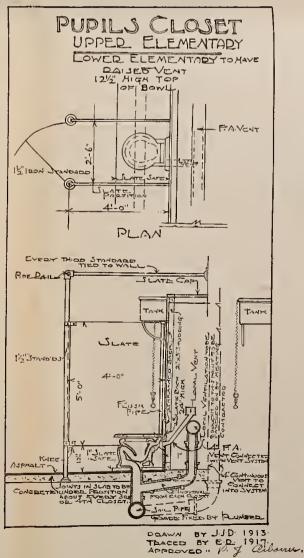


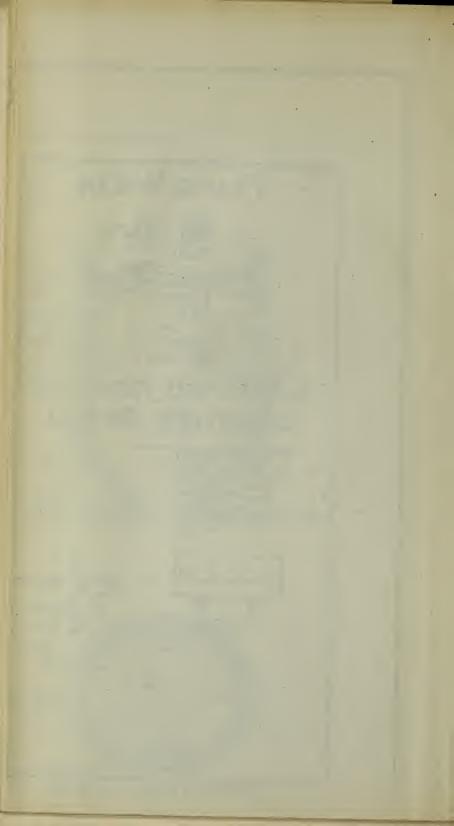


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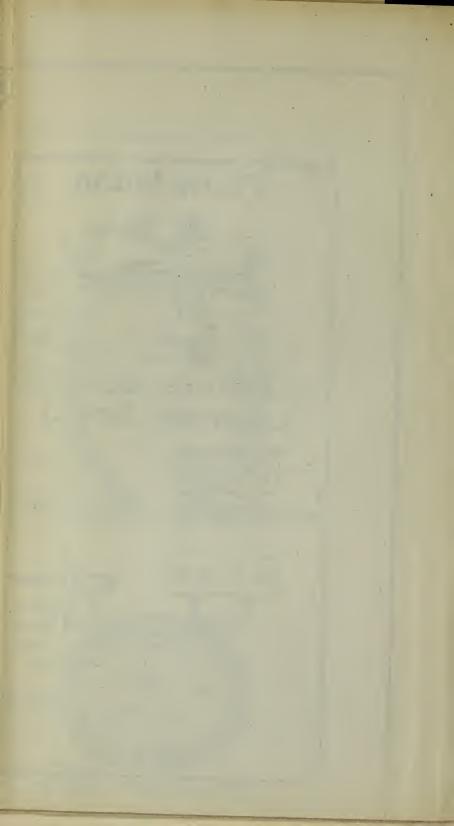




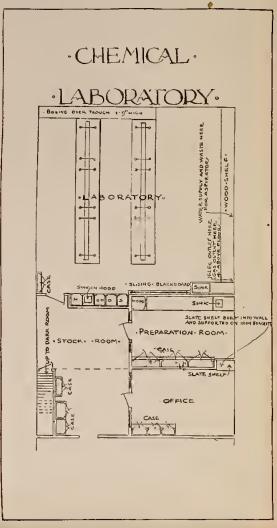


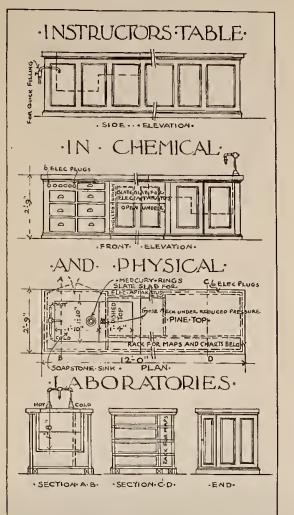


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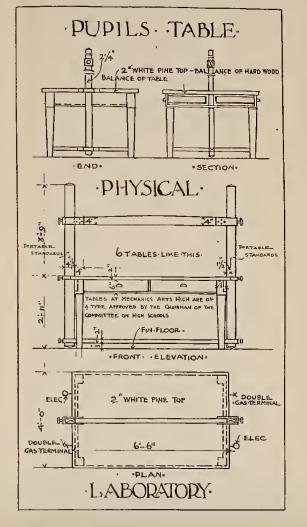


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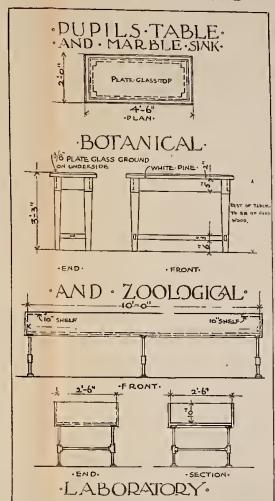




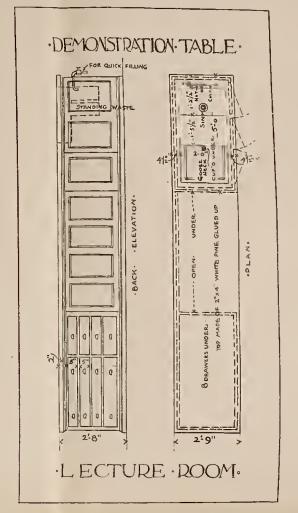
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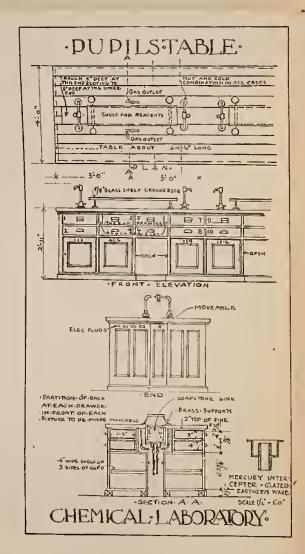


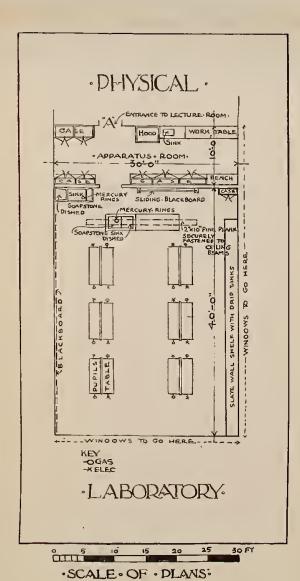
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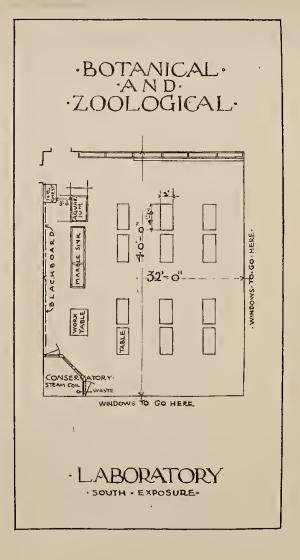


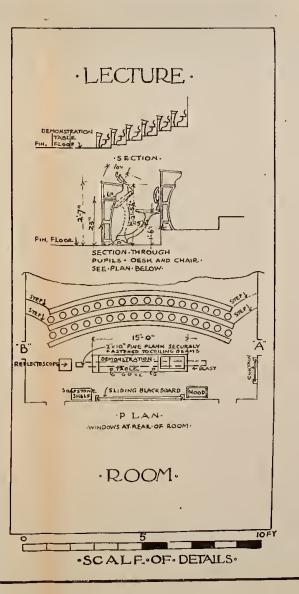
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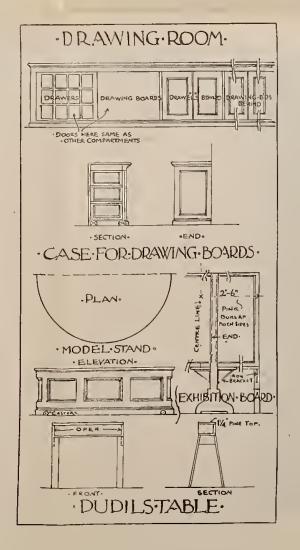


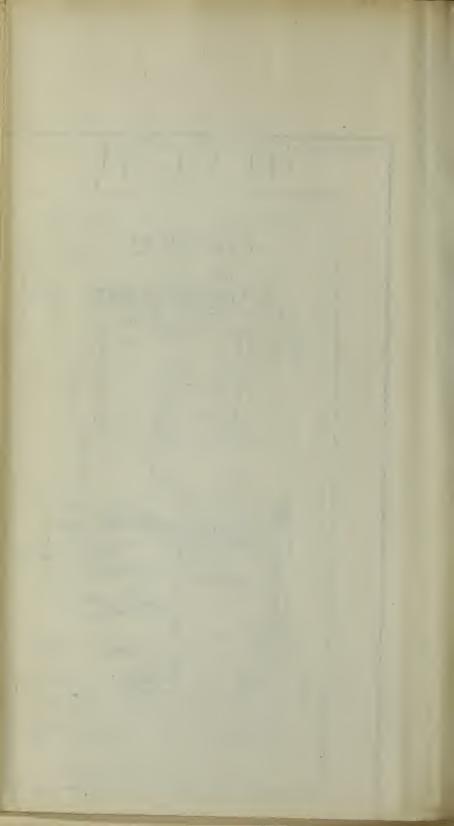




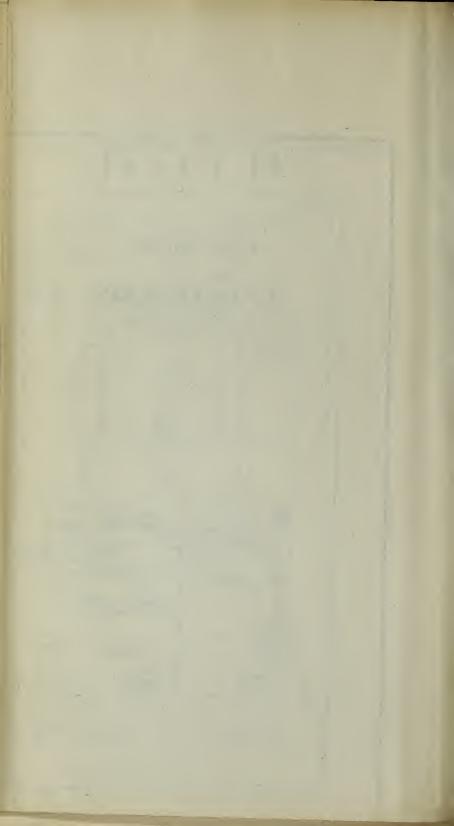








APPENDIX XII.



DATE OF COMPLETION.	Name	DESCRIPTIVE :	AMOUNT OF PE	DESCRIPTION	LOCATION OF LOT.	ARRA OF LOT.	COST OF LOT.	AREA OF BUILDING	Country Courses		FER	25.0	Corr
1870 1867 1911	Aaron Duria 12 Rooms Atby W. May 6 Alexbary Lincoln 40	Libraham Lincoln	A. W. Langfellow	24 . 3 .	Yeoman at. How Thornton at., Ros Papetta at.	18,200 11,052 46,415	\$17,100 00 5,545 06 174,962 13	5,080 4,510 17,770	273.019 210.927 1.110.045	HOLLEGIS. 141,872 62 41,050 08 280,088 43	0 10	100 (Perts. 874 79 188 87
(90) (90) (190) (190) (190)	Abram F. Cutter 4 Adam-street 2 Rooms Against 14 Albert Palmer 0 Again Webster 4	The state of the s	E. M. Wheelwright E. M. Wheelwright E. M. Wheelwright Pred A. Hall	N : 3 :	Medford et., Chan. Adams et., Dos Brewer et. J. P. Evetis et., Ros. Hilten et., H. P.	44,355	5,404 79	7,568 1,570 9,681 4,791 2,985	629,641 220,001 176,935	12,972 41 00,184 23 45,500 00 7,608 04	0 14	100 700 300	64 80 141 69 151 67 28 49
1805 1877 1875 1856 1849	Andrews 15 Recess Ass Gray 8 1 Afterior 9 1 Auberto 4 1 Austin 6 Heccess 1	Christopher Gibson. Thomas Gardner	Bryant & Hogers	24 2 2 3 3 4 3 4 3 4 3 4 3 4 3 4 3 4 3 4	Genesse st. Wester at. Hex Columbia rd., Des School st., Bri Parls st. E. B	14,359 14,973 24,751 12,340 4,040	50,176 29 11,280 15	6,725 8,500 8,210 1,490	388,720 276,036 250,080 99,634	114,966 93 38,088 98 48,022 50	0 30 0 14 0 19	714 400 400	(81 02 95 17 130 06
1890. 1894 1809. 1912	Halber extract	Washington Bunker 102	E.M. Wheelwright	M 3 3	Railey at , Dor Chardon et Cambridge et., Chan Magnolia et., Dor	TY 8/74	2,082 00 11,979 75 12,278 00 14,240 30 Trans, from 8t.	1,933 2,176 2,376 4,580 7,864	101,347 105,101 194,162 118,492	13,45a 00 29,991 05 62,881 45	0 21	300 1	151 28 44 90 133 50
1883.	Benjamia Cushing 8 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Gaston	200	M . A .	Robinson at., Dor. If et., S. B. Oat., S. B.	20,000	Dept. \$19,000 00 Inel in Them N Hart Lot. \$0,000 00	6.467 5.593 5.370	310.681 239.174 268.582	60,435 34 42,987 28 45,507 37	0 19 0 18 0 17	400 I	151 05 107 47 113 77
1874 1886 1901 1892	The state of the s	John Cheverus	Occups A Clough C. J. Bateman E. M. Wheelwright	2 : 1 : 1 : 1 : 1 : 1 : 1 : 1 : 1 : 1 :	Chostnut Hill ave , Bri Dighton at , Bri West Fourth at , E. B. Rlackinton at , Orient Heights, E. B., Parker and Archibald ats , Res	27,031 9,605 28,704 36,768	12,824 50 4,844 70 48,463 21	8,906 3,998 13,365 12,235	381 480 193,874 842,147 502,528	74,516 84 170,360 54 124,101 10	0 20 0 21 0 25 0 23	950 770	912 91 184 70 181 17
1992 1895 1895 1894	Reston Trade Rewilltch 13 Rosens (Rewilltch 16 Rosens (Rewilltch 16 Rosens (Rankes Hill 14 Rosens (Batter 11 Rosens (Rankes Hill 18 Rosens (Rankes Hill 18 Rosens (Rankes Hill 18 Rosens (Rankes Hill 18 Rosens (Rankes Hill 18 Rosens (Rankes Hill 18 Rosens (Rankes Hill 18 Rosens (Rankes Hill 18 Ro	Bunker Hill Eiling Greenwood	H H Atwend E M Wheelwright E M Wheelwright	24 2 3 24 3 24 3 3 4 3 4 3 4 3 4 3 4 3 4	Oreen st. J. P. Myrde st. Cambridge st., Bri Raldwin st., Chan East River st., H. P.	23,655 10,777 83,254 19,660 3,960	39,130 A4 40,837 95	9,363 9,363 8,469 19,688 5,580	1,731,534 504,992 584,957 1,020,163 407,808	253,431 84 104,579 01 109,187 91 229,200 41	0 19 0 19 0 22	700	136 46
1864	Canterbury-street	Charles Sunner. Thomas N. Hari Chapman	Cummings & Sears Greenleaf & Cobb Charles Green	24 2 Stories	Canteristry et., W. R. Sixth et., S. B. Eutaw et., E. B. Parter et. and Fisher ave. Rer Sc. Rotolph et.	20,121 12,354 29,150 39,032 16,000	6,145 31 22,400 00 19,529 00	715 1,346 3,361 12,131 8,210	361,263	34,710 35 * 120,044 83 78,925 73	0 20 0 18 0 22	100 200 1 850 1 538 1	115 79 154 05 146 50
1947	Charles Sumber 10 Rossus C Charlestown High 2 Rossus I Charlestown High 2 Rossus I Choste Burnham 9 I	Warren	II. II. Atwood G. A. Clough Stickney & Austin E. M. Wheelwright	2d - 2 -	Mead st., Chen Ashland st., Ros Monument sq., Chen Chestrai svs., J. P. East Third st., S. H	30,000 16,350 13,733	8,000 00 57,734 98	7,730 1,738 0,143 16,304 1,403	304,842 89,346 364,842 1,098,693 88,779	50,232 35 290,055 79 60,887 10	0 11 0 27 0 27	800 1 540 5	100 50 545 25 135 50
1004 1898 1871 1850	Christopher Columbus 24 Rosma I Christopher Gibson 14 C Clinch 6 I Comens 13 C	Filet Christopher Gibson Shurtleff Cossins	Winslew & Direlow E. M. Wheelwright Drysat & Receve Richards & Park		Tileston et Bowdota ave., Dor F et., S B Trement et., Rox	17,136 12,658 29,620 13,492 22,169	4,500 00	5,895 11,427 14,208 2,970 4,865	748,519 792,370 164,197 349,357	173,512 G8 111,029 53 33,628 99	0 2i 0 14	1,110 1 700 1 300 1	155 32 155 61 112 10
1907	Common Building. 13 Rooms Common Building.	·	Cischder & Carleto	nt * 2 *	Delmont eq. E. B Tremont Entrance to the Fenway, Hor.	Normal Let.	9,030 00	5,627 9,000 3,934	444,417 556,729 284,395	128,481 16	1000000	650	10
1850	Continuation Recent F Contagn-place 4 B Codword 11 F Custman 16 Rooms F Cont Alast 8 P	Theodore Lyman	James Muleshy E. M. Wheelwright Gridler J. F. Bryant Clarek	al . 1	Cottage pl., Rox Grires at, E. B.	11.401 10,115 7.094 23,000 Hancock Lot.	38,600 13 20,714 14 7,638 00	8,115 2,098 8,360 5,150	296,769 86,480 403,360 364,103	64.770 90 171,185 31 57,723 27	0 17	350 j	(61 64 (20 43 72 15
1862 1852	Cyrus Alzer 8 P Damon 5 Rooms G, and I Dwarborn 2 21 Rosens G Dillaway 12 Rosens G Derchaster-avanue 4 P	Dillaway Mary Hemeuway	Gridler J. F. Reyant George A. Clough R. J. F. Thayer Edwin J. Lewis George A. Clough Hartwell, Richardson & Driver		Seventh at, S. B. Readville at, H. P. Ambrese et, Hor. Kenilworth at, Hos. Dorehister ave., Dor	16,560 45,600 50,397 22,824 34,400	7,038 00 1,977 93 34,238 10	8,030 9,030 2,030	290,090 240,544 080,944 497,778 113,791	48,672 98 20,012 25 217,131 32 78,974 16	9 17 0 09 0 72 0 16	1,110 1 600 1	50 63 65 61 31 63
1901 1809 1874 1857 1001	Development High Drake O Recent P Dudley 14 Rooms O Dudgh 14 O East Beston High Edmund F Tileston B 10 Rooms O	Lawrence Dudley Dwight	Hryani & Rogers L. Weissbein John Lyman Faion	2d 3 3 2d 3 2d 4 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Talbot ave., Dev C et., S. H. Dudley and Putnam ets., Rox. West Springfield at Marion et., E. H.	77,550 10,200 20,200 18,135 27,500	8,000 00 8,000 00 22,623 00 63,180 27	04,202 2,582 12,070 5,531 21,477	2,307,518 152,595 779,480 413,150 1,080,041	132,480 05 40,338 95 241,040 57	0 20 0 22 0 17 0 10 0 20	700 i 700 i	12 91 10 26 57 63
1909	Edward Everett 14 Revens C Ellicides Smith 8 P Ellicides Smith 9 Research G and I Ellicides Control 14 Revens G and I Ellicides Control 14 Revens G	Edward Everett Mary Hemenway Filip Greenwood	g. T. P. Graham George Ropes, Jr C. J. Hateman	M : 3 :	Norfolk et., Mat Pleasant et., Der Centre et., Der Metropolitan ave., H. P. North Benzet et	83,640 67,138 58,840 43,750 11,077	2,078 00 21,929 50	17.548 10.000 4.666 5.422 5.673	679,511 511,633 220,086 337,951 402,519	132,178 10 107,515 43 22,000 00	0 20 0 21 0 07	014 400 450	82 57 75 17 48 88
1865	Elizabeth Peabody 6 Rooms P Ellen II. Richards 5 P Ellis Mondell 12 P Emersion 16 G	Wells Gilbert Stuart George Putners Enserson	William II Besarick Andrews Jacques & Rantoul		Poplar at Beaumont at, Dor School at, W. R. Prescut at, E. B	0,924 91,013 35,491 98,032	7,000 00 4,807 01 13,841 49 8,000 00	2,155 7,642 10,896 8,010	129,050 225,437 529,994 500,232	44,589 76 122,287 20 101,585 76	0 20 0 24 0 15	356 II 612 II	21 83 99 78 29 98
19 US 1380 1860 1871 1964	Emily A Bifield 16 Rooms P English High Eversit 18 16 Rooms G Fairmount 8 Rooms G and I Fairmount 14 Rooms P	Henry L Pierre Everett Eilhu Greenwood Martin	A stronger manner manner manner	Int : 2 : 2 : 2 : 2 : 2 : 2 : 2 : 2 : 2 :	Dunbar ave., Dor Montromery at West Northampten at Williams ave., H. P. Fenwood ed., Rox	37,850 85,500 32,400 41,330 27,923	4,542 00 280,000 00 2,439 15 36,450 00	10,493 25,170 11,248 5,454 12,312	437,371 3,435,271 515,102 324,881 611,913	150,104 08 527,518 40 72,626 30 25,545 44	0 35 0 15 0 14 0 05	800 150	20 13 07 83 56 76
1914 1902 1931 1909	Florence Nightingale 10 P Finrence-street 6 P Frances E Willard 6 P Fruncis Parkman 14 Hooms G	Oliver Weedell Helmes Charles Sumner Dwight	Joseph J. Driscoll Perkins & Hetton	2d 2 3 3 2 2d 2d 3d 3 3 3 3 3 3 3 3 3 3	West Park st., Der Florence st., Ros Rotland st. Walk Hill st., Forest Hills	50,707 23,000 7,850 80,219	9,000 00	0,636 3,658 2,140	256,715 160,695 117,608	150,525 43 60,365 14 121,630 68	0 24	300 300 700 1	10 82 54 39 74 18
1809 1850 1868 1874 1908	Frederic A. Whitney 5 P Frederic W. Lincoln 13 G Fremus 6-Rooms P Frethingham 16 G Frethingham Annes 2 P	Washington Albton, Frederic W. Lincoln Elick Frethingham	Waltman & Hord Gridley J. F. Bryant Bryant & Hogers George A. Clough	2d 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	Waltham at Armington at., Bri. Brundway, S. B Charter at. Prospect at., Chan.	10,439 10,781 20,500 3,247 22,079 Freiblindam Let	12,089 07 44,158 00	5,490 7,058 5,620 2,850 9,283	132,020 342,776 140,228 144,760 575,018	40,845.67 47,880.49 48,270.89 28,127.62 78,956.89	0 09 0 14 0 11 0 20 0 14	700 400 1 650 300 800	88 35 19 70 74 28 83 76 98 70
1672 1670 1914 1590	Gaston 14 G George Hancroft 12 Rivers P George Frisbia Heav 12 F George Frisbia Heav 10 G	Prothingham Gaston: Rice Notices George Potnam	Schoolhouse Agent Department George A. Clough Emerson & Fehrer H. L. Wardoss George A. Clough	3d 1 ftery 2d 3 Stories 2d 3 - 2d 3 2d 3 2d 3 3	Prospect at., Chan East Fifth st., S. B. Appleton st., near Dartmouth West Fifth st., near D st., S. H. Columbus ave., near Egleston sq., Hox.	Freikingham Lot. 85,358 18,454 21,348 81,784	24,703 70 28,465 20 18,000 00 13,102 87	2,173 10,540 5,680 5,402 7,229	37,151 656,400 336,770 302,500 418,663	2,995 94 104,104 57 69,131 34 66,749 05	0 08 0 16 0 23 0 15	100 1 700 1 600 519 E 500 1	29 96 (5 72 32 20 33 50
1912 1806 1870	George F. Angell. S. C. Cornantown S. 4 Rooms P. Gilbert Staart 14 ° G. Girls' High S. C. Corls' High S. C. C. Cornantown S. C.	Sherwin Robert G. Shaw Gilbert Stuart	E. M. Wheelwright Penhody & Steams	2d - 4	Harrison ave. and Hunneman st. Washington st., Germantown. Richmond st., Dor. West Newton st.	#3,814 22,084 31,147 27,480	34,576 94 3,200 00 11,049 00 82,212 31	5,006 2,448 9,306 20,482	506,250 50,198 509,282 (,924,918	55,154 50 114,059 88 452,513 31	0 27 0 19 0 23	352 II 188 700 II	50 00 62 04
1880 1888	Girle Latin Glenway Annes 2 P Grant 4 P	Oliver Wendell Holmes Oliver Wendell Holmes Wendell Phillips	Cocking & Carlson George A. Clough Schoolhouse Agent Department	1st * 3 *	Glenway at., Dor.	Normal Lot. Wm. E. Endicott Lot. Wm. E. Endicott Lot. 3,744	4,677.50	17,882 2,184 2,173 2,921	1.100,502 52,307 43,241 51,002	253.750 20 3,168 98 2,933 87	0 23 0 06 0 07	100	05 19 31 69 29 34
1847 1903 1883	Habrock 14 G Habrock Anney 2 Rooms P Harbor View-street 4 P Harris 0 P Harvard 10 G	Hanenek	Schoolsogse Department C. J. Datemag	2d 2 Stories 2d 1 Story 3d 2 Stories 3d 3 2d 3	Painips at. Parmenter at Parmenter at Harbor View at., Dor Adams at., Dor Dovena at., Chan	21.012 Hancock Lot. 27.508 27,150 15.205	20,000 00	2,021 6,120 1,781 2,825 3,805 8,652	81,032 479,666 29,832 103,442 296,636 009,890	7,247 29 15,032 64	0 24 0 15	700 100 200 450	72 47 75 16
1948	Harvard 4 Resons P Haves Hall 5 P Heatheatreet 2 P Hemenway 2 P	Thomas Gardner Birelow Jefferson Henry Grew	Fred A. Hall		North Harvard et., Bri. Broadway, S. B. Heath et., Ros. Wolsott et., H. P.	20,750 17,25n 10,669 12,925	2,127 22	2,400 4,605 1,105 2,204	94,365 204,887 69,440		0 12	200	83 98
1871 1891 1899	Heary Grew. 11 Rooms G. and P. Heary L. Pierre. 12 Rooms G. Heary Vans. 4 P. High School of Commerce.	Robert G. Shaw	S. J. F. Thayer H. H. Atwood Beauty & Hill C. Howard Walker Küham & Hopkins	3d 2 Stories 2d	Gordon avs., H. P. Washington et., Dor Baker et., W. R. Avenue Louis Pasteur, Rov.	63,256 64,439 21,000 103,720	7,577 89 13,268 40 2,703 75	6,450 14,630 3,716 35,445	398,253 515,320 169,689 1,971,619	21,928 27 118,094 03 29,835 23 480,472 41	0 05 0 11 0 18 0 24	1000 11	54 83 95 52 49 18 00 30
1914	High School of Practical Arts **	Howditch Bennett	A. H. Vinal	24 1 8kery	Greenville st., Rox. High School of Practical Arts Lot. Elm at., J. P. Hobart et., Bri	10000	43,577 75 7,343 93	23,756 1,944 2,914 5,135	428.850 84.039 170.700 108.780	359,438 70 6,082 50 17,830 23	0 25 0 07 0 17	TRAPESTO IN	66 86
1882 1896 1887	Horses Mann. 0 Rooms F. Howard-avenue 0 Rooms F. Howard-avenue Annes 2 P. Hugh O'Brien Annex 2 Rooms F.	John Winthrop John Winthrop Hugh O'Brien	A. H. Visal	2d 1 Stories 2d 2 3d 1 Story 2l 3 Stories 3d 1 Story	Newbury at Haward ave., Dor Howard ave., Dor Dodley and Langdon ets., Rox Dudley st., Rox	Heward Ave. Lot. 10,554	23.048 65	5,100 4,244 12,270 1,820	203,700 203,200 35,000 845,712 33,000	17,471 42 40,997 17 2,014 23 120,348 57 2,437 84	0 33 0 20 0 06 0 15	700	39 69 20 14 50 50
1875 1884 1902	Hulb 3 P Hyde Park High	Phillips Brosks Hyde Heary Grow Sherwin Frothingham	George A. Clough A. H. Vicad Loring & Phipps	2d 2 Stories 2d 3 2d 2 2 2d 2 3 2d 2 3 2d 2 3	Quincy et., Rox Hammend et Everett et., H. P Parker et., Rox	20,151 20,754 9,73,585	9,283 50 27,001 50 30,885 78	5,900 9,515 10,645 6,253	261,021 623,193 712,293 287,726	45,474 58 171,061 81 76,400 00 54,084 45	0 17 0 20 0 17	400 11 700 13	13 70 73 80 80 38
1904	Tarch Foss 2 P James A McDenald 2 Q James Otla 9 15 P Jefferson 10 Hooses O John A Andrew 10 Q	Presenti Ulyssen S. Grant Jefferson John A. Andrew	Brainerd & Leeds Winslew & Bigelow Surpley, Rutan & Coolidge	2d 2 Stories.	Adams and Chestnat ets., Chen Pulk et., Chen Paris and Marion ets., E. II Heath et., Ros Durchester et., S. B	7,200 20,000 3(215 2(,)75	7,507 00 31,172 75 22,940 33 34,225 00	2,654 3,253 8,923 12,292 9,755	539,446 568.113	3,518 00 05,349 03 160,293 56 210,890 49 68,177 18	0 07 0 30 0 31 0 25 0 12	876 15 876 15 1,038 25 800 2	35 18 16 88 82 99 03 17 85 22
1904 1909 1919 1905	John Cerverus 16 C John C. Palliciek * S Rosens P John Greenlest Whattier 10 P Lond J. Williams 12 P	John A. Andrew John Cheverus Charles Summer Henry L. Pierre Frankim	Brainerd & Leeds Charles J. Batternan	1d 2 2	Derehester st., S. B. Moore st., E. B. Folsom at., W. R. Southern ave., Dor Greton at.	24,947 53,990 33,990 34,974 20,799	29,295 40 19,015 10 9,029 50	7,112 13,772 8,473 7,063 6,643		112,839 00 102,076 35 59,663 75 74,736 15 69,138 44	0 20 0 19 0 24 0 23	704 14 233 17 478 15	67 91 45 89 70 17 56 35 39 67
1911 1905 1954	John Lothrop Motley 4 P John Winthrop 15 Rooms G Joseph Tockerman 10 P Joseph Rates 8 P Julin Ward Howe 12 G	Edward Everett John Winthrep Gasten Dwight Lewis	Andrews, Jacques & Hantoul. Schoolhouse Department Magnais & Walsh Charles K. Cummings A. H. Vinal Adden Frink	2d 2	Savin Hill ave., Dor Brookford and Dacla sts., Box Fearth and L sts., S. D. Harrison ave. Dale st., Rox	69,430 10,659 21,584 19,977 17,650	17,500 00 12,037 70 4,174 35	2,580 14,980 7,452 5,410 6,504	18,155	72,510 25 110,673 54 77,423 25 48,655 76 64,784 71	0 19 0 19 0 24 0 18 0 17	724 15 450 16 400 12	52 84 51 10
1901 1911 1954	Julia Ward Howe Annes I Room M Lafayette S Rooms P Lawrence In O Lewis 17 G	Leris Hyde Lawrence Leris	Street Actions	3d 2 Stories	Dale st. Rox Ruggles st., Hox B at. S. B Paukling st., Rox		13,000 00 11,994 50 20,288 68	1,228 5,774 5,478 15,100	217,382 415,610	63,134 24	0 29 0 10 0 17	50 352 17 630 6	79 30 13 13 18 93
1897	Little Em Ty 1 Resen P Langfellow 9 18 Rooms G Livins May Alcott 11 P Louis Prang 6 P Lewell 14 Rooms O	Mary Hemenway Longfellow Everett Dillaway Lowell	Walter & Kimball	1d 1 Story 2d 2 Stories 2d 3 2d 3 2d 3 2d 4	Adams at., Dur. Hewlett and South etc., Ros. West Connord at., near Newland at. Bartlett at., Ros. 310 Centre st., J. P.	Harris Les. 17,064 10,726 12,879	24,474 35	9.55 13,339 4,584 2,280 10,620	251,208		0 10	300	19 66
1896 1894 1892	Lorent Annex 2 G Lucretta Crocker 2 P Lyceum Hall 7 G	Lowell Lowell Maker Bowditch Oliver Wendell Holmes	A. H. Vinal	2d 2 Stories	Monart et., J. P. Parker et., J. P. Meeting House Hill, Dor Glen rd., J. P.	Lovel Lot	10,550 67 8,538 70 12,807 78	1,960 5,405 5,115 4,496	40.786 204,911 210,862 192,158	39,933 54	0 20 0 10 0 24 0 27	100 400 350 5 300 13	12 65 50 76 13 11
1997	Marshall 20 P Marshall 20 P Marshall 4 P Marshall 14 P Marshall 14 P Marshall 15 P Marshall 15 P P Marshall 2 P Marshall 2 P Marshall 16 P Marshall 17 P Marshall 17 P	Edmund P. Tileston Martin Mary Hemenway Beggatt	William II. McGipty A. H. Vinal T. M. Clark Lewis II. Baseo	2d 1 Stories 2d 3 Stories 2d 1 Stories 2d 3 3 Stories 2d 1 Stories 2d 3 Stories 2d	Westville at., Der Walk Hill at., Der Huntington ave., Hos. Adams at., Der Chestmat Hill ave., Bri.	29,751 25,807 30,000 31,000	4,757 00 21,234 25 9,000 00 13,750 00	24,143 4,255 8,558 8,915 3,500	123,823 542,272 614,023 115,354	24,557 91 105,551 53 122,191 31 19,080 76	0 20 0 19 0 20 0 17	160 15 700 15 600 20 100 19	0 70 0 70 0 65 0 90
1893 1897 1803	Magflower* 1 Rosen P Magflower* 14 Rosen P Maybew 14 Rosens P Mochanic Arta High **	Remett Mather William E. Russell Wells	Richardson, Barott & Richardson, Cram, Goodhun & Ferguson, Schoollouse Agent Department John Lyman Fason E. M. Wisselvright	lat " 3 Stories	Turner and Hoster sts., Bri Meeting House Hill, Dos Harbur View at., Dos Chambers st Belviders at	37,300	7,500 00 135,953 43 148,680 10	7,620	531,438	2,328 56 107,197 80 645,643 01	0 19	1,650 17 700 is	8 36 3 14
1674	Miles Standish 9 Rooms P Miles 7 Rooms G Monart 9 P ML Pleasant-avenus 2 P Nahum Chapin 6 P	Minet	George A. Cleugh A. H. Vinal Gay & Prostor	24 . 3	Neponast ave., Neponast Beach st., W. R. Mt. Pleasant ave., Rox Common st., Chan	14,147 51,500 29,932 9,510 7,001	28,500 00 8,000 85 8,986 40 7,006 40	(A)(0)(0)		63,657 05 22,891 00	0 15 0 19 0 21	350 180 148 15- 100	7 37 2 45 4 67
1909 1900 1874	Nathaniel Hawthorns 9 P. Nathaniel Hawthorns 9 P. Noble 5 P. Noble Annex 2 P.	Dudley John Winthrop Emercon Emercon	Parker, Thomas & Rice	lat : 2 :	Cedar st., Raz	Borard Ave. Lot. 17,500 Noble Lot.	17,370 00 6,047 00	7,392 4,621 4,900 2,400	329 683 276,739 247,792 49,667	67,231 52 67,617 07 48,598 06	0 54 0 25 0 39 0 06	450 144 447 15 400 12	0 08 1 93 1 50 0 00
1907	Normal 2 Rooms P.	Norrow	(Coolides & Carlson	lat. 1 3 1	D st. S B	141,076	3,279 80 241,290 77 6,015 49	6,922 18,541 1 3,005	529,149 ,101,964 109,682	231,353 30	0 14 0 20 0 15	350 194	0 65
1855 1855 1857	Dak-square 2 Rooms P	Robert G. Shaw. Edward Everett. Oliver Wendell Holmes		3d * 2 Stories	Necantom st., Bri. Burroughs st., J. P. Baker st., W. R. Sumner st., Dor Athebroid st., Dor	Agamia Lot. 10,464 Bekel C Employs Let. O. W. Holmes Lot.		3,250 1,096 3,772	103.473 168.420 140.880			300 50 300	9 92
1849 1904	Old Parkman D Oliver Halard Perry 14 Recens C Oliver Holden 5 Rooms P	Mather Otiver Hazard Perry Warren Ohver Wendell Holmes	Emerson & Februer Clough & Wardner A. W. Longfellow	ad 1 3 1 mg	Meeting House Hill, Dor. Surer at, S. B. East Seventh at, S. B. Penrl at, Chm School at, Dor	Matter Lot. 5,305 45,000 10,723 86,006	4,150 00 12,710 06 12,132 00	6,123 2,086 9,743 1,743 19,163	76,261 978,429	195.648 02		200 69 1,234 15	9 80 9 80 9 84
1007	Oliver Wendell Holmes 24 ° C. Parkman 17 ° P Fatrick A. Collins ** 17 Reoms Paul Jones ** 11 ° P.	Lawrence	Prabody & Strarns Marienia, Walsh & Sullivan.	2d * 3 *	Broadway, S. B	10,100 Normal Lot. 17,500	12,030 00	3,676 13,048 10,234	721.037		0 23	001 n10	5 12
1.993 1910 1914	Paul Revers 18 Rooms P. Peter Fanculi 17 P. Patip H. Sheridan 12 P. Patip H. Sheridan 15 O.	D		0. 1 1 1	Prince et Joy et. Prescott et., E. B. Quincy and Purth ets., Dor	18,586 20,653 21,558 31,020	206,333 22 108,087 32 23,828 93 16,650 20	11,572 7,565 8,116	684,978 427,952 334,774	157,283 28 108,079 50 74,211 94 114,650 17	0 23 0 23 0 22 0 16	760 14 493 16	4 76 2 21 9 92 3 87
1851 1870	Phiness Bairs 4 Rooms P. Pierpoal 4 P. Piursser 16 P. Palketreet 6 P.	The state of the s	O. A. Avery Orkfley J. F. Bryant H. H. Atwood George A. Clough		Basch at., Ros. Hudsen at. Belmont at., E. B. Polk at., Chan	37,500 4,210 33,073 12,143	5,500 00 29,318 37	3,282 3,140 8,604 6,231	237,618	28,875 33 89,310 53 28,712 92 13,540 56	0 18 0 17 0 12 0 12	100 800 300 9	4 28 1 50 5 71 5 14
1807 1806 1875	Parment 6 Hooms P. Presectt 10 0 0 0 Presectt Annex 1 Hooms M. Prince 1 16 Hooms G. Public Latin 2 Quincy 1 14 Hooms G.	Prince	Nathaziel J. Bradles Schoolhouse Agent Department George A. Clough George A. Clough	2d 3 3d 1 Story 2l 3 Stores	Snelling pl Ehrs at., Chan Ehrs at., Chan New bury at Warren ave	Present Let. 72,000 English High Let.	5,614 83	2,116 5,680 1,345 10,630 32,677 8,396	101,974 535,974 611,223	132,716 04	0 23	500 50 770 17	1 00
1862	Quincy # 14 Hooms G. Quincy E. Dickerman 16 P. Quincy etreet 2 P. Quincy etreet 14 Rooms G. Richard C. Humphreys 10 P. Robert G. Shaw 6 G.	Phillips Brooks Mather	J. A. Schweinfurth. George A. Clenah Engeneso & Februar Owngs A. Clouch F. M. Wisselwright	21 2 31 1 Stories 21 1 Stories	Tyler at Magnotis at, Dor Quincy at, Dor Dartmouth at Summer at, Dur	11,190 10,413 27,123 23,500	9,771 an 7,000 00 Frans from Dor.	9,171 2,620 10,680 6,090	57,278 57,278 623,612 359,912	4,971 75 42,954 98 58,240 59	0 23 0 03 0 12 0 15	100 4	0 05 9 72 5 07 5 62
1915.	Rodandesa 17 Roma P.	Mary Hemmay	Joseph McGuinness William W. Bonnick	3d 2	Hastings at. W. H. Thetford pre. and Evans at., Dor Gibson at., Dor. Harvest at., Dor.	40,000 29,379 38,280 21,548	\$10,100 80 0,000 00 Frans from Public Works Dept. 9,477 50	7,925 0,150 10,625 7,430	472,342	37,906.00	0 13 0 17 0 33 0 14 0 19	701 18 500 13	
1910	Roger Clap. 10 P. Hours Wolcott. 15 G. Reabury High ** **Samuel Adams ** 22 Horms G. **Samuel Distor S P. Samuel G Howe S P. Samuel W. Mason ** 14 P.	Samuel Adams	Brigham, Coveney & Blabee Usong: A. Clough	24 : 3 : HE	Morion and Norfolk sts., Met. Warren st., Ecz. Webster st., E. B. Harvard st., Chan. Fifth st., S. D. Norfolk ave., Ros.	20,764 24,070 40,000 6,885 12,794	19,500 00 46,697 68 39,407 50 21,855 75	25,491 12,258 3,500 6,220	602,060 174,860 377,339	143,812 94 12,508 64	0 24 0 23 0 15 0 27	908 15 400 10	8 39 6 60
1905	Sarah J. Daker 24 Rooms P. Sarah J. Daker 24 Rooms P. Sarah J. Daker 24 Rooms P. Sarah J. Daker 25 P. Sharp 9 P. Sharp	The second secon	John A. Fox	lat * 3 *	Nortisk ave., Ros. Perrin st., Ros. Savin Hill ave., Dor Seboul st., W. R. Anderson st.	31,454 20,000 20,200	17,630 21 20,450 47 6,018 00 Dec. Putnam Lot	0,787 11,215 2,650 2,145 3,109	674,572 97,587	118,324 64 161,164 23 12,753 23	0 24 0 13	1,182 12 200 6 100	3 73 9 63 3 77
1870 1809 1840 1870	Shareta	Sterwin, Shortleff Higslow Abraham Lizeola	Entrus & Fehrust Bryant & Rogers Nethaniel J. Bendlee	2d : 3 : 2d : 3 : 2d : 3 :	Anderson st. Madison sq., Rox Dorchester st., 8, B. Broadway, 8, B. Fayette st.	#2,040 40,551 Hews Hall Let. 5,218	\$22,425 00	10,550 9,887 854 2,540	680,183	VICTOR (1997)	0 15	500 12 700 150 300 8	19 18 16
1819 1824 1901 1893	Smath-street 2 Hooms K Somerset-street 6 P. Scattle Hoston High Stephen M. Weld 6 Hooms P.	Comias Wendell Piallips Charles Surges	Herbert D. Hale E. M. Wheelwright	3d 2 2	Smith st., Ros. Somerset, corper Allatea et Thomas ph., ii. D Seymour et., Ros. River et., Dor.	0.932 	22,000 00 23,843 86 3,785 64 1,477 77	4,795	97,441 1,470,508 227,034 179,439	47,418 02	0 23 0 21	300 15	59 00
1873 1870 1867 1905	Tappai 9 P. Thoolare Igrain 15 G Thomas Dwight 5 P. Tasmas Gardner 14 Rooms G	Comins	030 0 1 1111111111111111111111111111111	21 . 5	River et., Dor., Lexington et., F. B. Paris and Gove ets., E. B. Phillips et., Rau. Athol and Brentwood ets., Bri. Athol et., Bri.	11,500 20,200 20,555 20,410 Phomas Gurdner Lot.	5,500 00 18,500 00	4,935 9,826 4,933 14,937 1,387	224,486 0.57,533 220,235 737,714 54,899	140,207 57	0 32 0 17 0 19	750 15 400 15	11 80 52 50 52 17
1847	Thomas Gardeer Annes 2 P. Thomas N. Hart II G. Thomas Starr King 6 P. Thomas Starr King 7 P. Thomas Starr King 7 Illocate P. Trade School for Girls 7 Trescrit 8 Recens G. and P.	Different	Stickney & Austin Grilley J. F. Bryant A. H. Vinal	M . 2 .	East Fifth at. S. B. Bunker Hill st. Chan Therefor at. Ret. 620 Massachusetts ave.	Busher Hill Lot. 8,640 11,200	1 15,000 00	9,718 2,938 1,023	629,512 123,220 42,000 383,888 259,507	130,699 61 - 58,150 00	o as	650 20 400 100	1 54
1912 1800 1856	Ulyses S. Grant 18 Rooms G Walt 8 P. Walterstreet 7 P.	Ulyses S. Grant Franklin Misst	Olatin M. Higgins F. T. P. Graham Gratley J. F. Bryant	5d : 3 : 21 : 2 : 3d : 2	Tileston ave., R. P. Tyler at Paria st., E. B. Shawmut ave. Walnur at., Nepotaet	\$1,200 7,315 43,933 10,341 22,790 14,172	22,471 29 41,567 73	2,310 11,802 4,100 3,003 5,694	125,156	118,509 00	0 30	523 14 400 330	11 74
1964 1979 1880	Warren 14 O Washington 20 Recess O Washington Aliston 10 G Washington Aliston Asset 6 O Washington-street 2 P	Washington Washington Allaton Washington Allaton Francis Parkman	Everett & Mead George A. Clough	15 : 4 : 15 : 2 :	Summer at , Chan Norman at Cambridge at , Bri Cambridge at , Bri Cambridge at , Bri Washington at , Forest Hills	14,559 22,000 11,477 24,010	100,563 50 0,008 12 124,000 00	C. C. C.	1,178,323 438,654 116,285	325,541 60 47,923 71	0 28 0 11	1,560 20 500 1 264 100	08 68 95 85
1850 1805 1868 1863	Way-street 3 Hooms P Weld 2 P Wells 12 O Wesdelf Philips 14 O	Coincy Thin Greeswood Wells Wendell Phillips	Gridley J. F. Bryant. Fred A. Hall Richards & Park Nathaniel J. Brodler	2d 3 3d 1 Story 2d 4 Stories	Way st., near Harrison ave Highland et., H. P. Blossom st. Phillips at	2,508 22,000 13,121 13,671	21,408 50 58,640 00	1,426 2,962 6,016 6,520	77,293 78,519 437,029 436,293	1.545.54		600	15 49
1867 1897 1916 1912	West Hexbury High William Bases 10 Recemb P William Basekstone 24 G William Bradford 5 P William Brawster 4 Recemb P	Reger Wolcott	James Mulcahy Harrison H. Atwood John Lavelle		Eim st., J. P. Vernon st., Rev. Riessem st. Willowwood st., Dor. Morton st., Mat.		175,500 00 6,155 80 brange with M. Pept.	0,193 11,759 8,230 3,042	1,297,735 523,243 720,840 910,887 140,540 10,200	80,288 40 170,482 84 42,714 04 26,100 49 3,099 97	0 15 0 24 0 17 0 19 0 0a	1,056 H 372 H	60 68 61 64 14 82 50 50
1808 1861 1900	William Rewaler Anter 2 P. William Cullen Bryant 8 P. William E Endicatt 10 P. William E Russell 19 Rocces G.	Mental As No. 10	E. M. Wheelwright Scheelbouse Agent Department James M. McLaughlin James Mulcally	100 00 00 00 1	Kenilworth at., Rox McLellan at., Dor Columbia rd., Dor	William Brewster Lot. 0,990 28,807 26,070 18,004	\$3,574 0.5 29,250 00	2,173 3,400 7,965 15,473 3,045	200,294 331,404 900,215 181,801	3,099 97 79,037 77 188,524 50	0 24 0 21	100 476 176 100 176	01 00 68 09 93 14 78 08
1961 1893 1910 1803	William Ecatis 6 P William II. Kent 6 P William Lloyd Garrison* 10 P William Wirt Warren 8 Rooms P	Frothingham George Patnam	i. M. Wheelwright	24 : 2 :	Moulton at , Chan Moulton at , Chan Hutchings at , Hox Waverly at , No. Bri Homesteed at , Hox	18.817 45.000 27,187 35,145	18,780 00 8,200 00 7,058 86	2,860 11,300 6,650 3,560 8,220	250,758 478,800 254,335 148,274 466,358	7 82,485 43 157,070 95 29,033 09 40,242 40 118,069 24	0 25	800 1 812 1 400 2 900 2 900 1	97 63 97 63 97 83
1883 1901	Winshell	Dearborn.	A Ri Vinal Whitman & Hood Richards & Park James Mulcahy E. M. Whosiwright	2d 2 2 1 2d	Blossen at Dighton at., Bri Winthrop at., Ren Munros at., Ron Wyman at., J. P.	9,775	10,083 51	10,475 2,140 5,881 3,671	520,341 79,287 230,979 241,532	116,790 20 31,457 60 57,003 71	0 22	900 400 389	91 65
			The cost of this building This rost lactudes rost This-rosm addition, 19 Addition built in 1909.	rischales cost of repairing of building 10, Schoolbouse Departm Public Buildings Departm	ent, Architecta, \$68,073.50.	a Eightem-room a Mill construct a Oreginal by b a Eight-room a	addition, 1910, Ha- less, ranch of English Hig- idition, 1909, C. Ho	gh School. ward Walks	ir, Architect	4			
	Notes.		Gradius, 1897, 1888, 18 4 This root includes cost 5 Remodelled in 1872. 6 Remodelled in 1850, Ch 6 Conkey School. 6 Cost of work benches a	60, 80,772.09. of Public Laun. aries A. Commings, Architecture	iest.	n Two-room add a First-class com a Eight rooms Architecta	istine built in 1917, attraction except roo and gymnasium add to town of Hyde P	Schoolhouse of litten, 1910, ark by Mr.	eleves roos Ehbs Ores	se, 1911, Con			
M — M. The e The c	Dementary, higher grades. P.—Elementary, annual Training. R.—Special. T.—Trade I use to finding does not include the architectural of the buildings erected between 1875 at 1884.	ehsell s ennsshedos.	or Two-room addition built to Cost of land and building includes three kinders manuful hall added, and Addition built, 1972, W	n, 1607, \$11,744.24 — \$2- ng Included In cost of Eu- nature rooms. Five class 1912 Maginnis & Walsh, also & Hott, Architects.	II 25 for grading flab High: a-resona, manual training room and Architects	# Land denated # Land denated # Four-room ad # Tairteen room # Four class-ro	to town of flyds P to town of flyds I dition added, 1911, a and study hall ad- ma, manual trains	ark by Mr. Park by Mr. Olatin M. I	Henrick Are History Are 1912 James	ditect H Riichin	trekiteet H L W	ardser,	
covering conkers of walls,	rly all of these buildings there were additional items now included in the contract for he and manual training rooms, telephones, else etc.	Iding, such as beckness, fitting trie fittures, the putating and tin	ing, a Addition built in 1803, a Each room secummodat be of a This rest includes \$7.4 ting promiliated by the of a Piles driven to support	E M. Wheelwright, Are se forty-five pupils. \$5.43 expended as an er unlitten of the site.	steet. tre en incressed depth of foundation dition built, 1917, \$52,475.50. Desmond	Architect. Six-ruses addi Nine-roses ad Contains assess 42,737 square	tion built, 1913, H. dition built, 1913, C subly hall. feet transferred from	H. Atwood. Coolidge & Coolidge &	Architect. Carlson, Arr	blioria, Focial	gu.su.		
Previo	one to 1900 to counting rooms only class-room to a room; since 1900, rated augsber of pur		aged a Three rooms assembly		od, 1913, James E. McLaughlin, Archi-	AV SHE'S DOOR OF THE AVE.	tion built in 1913, 1	British, C	and master	a office, \$19,6:	20.39, Ed		

Previous to 1900 in counting rooms only class-rooms are taken, and pupils are averaged at fifty to a room; since 1909, rated number of pupils and cost per pupil are figured by artical scatting expectity of building seconding to size of class-rooms.

Piles driven to support foundation. En-rescu addition built, 1917, \$52,475.50. Desmond & Lord, Architects.
 Three rescus, assembly half and gymnasium added, 1913, James E. McLaughlin, Architect.
 Four-rescu addition built in 1904 and sin-rescu addition built in 1908, C. H. Parkins, Architect.
 Addition built in 1906, Andrews, James & Hantoul, Architects.
 Used as storebuses.
 En-rescu addition built. 1907, \$47,914.40, Schoolbouse Department, Architects.
 Alterations made in ordinal school. 1908, \$22,973.40, Wheelwright & Haven, Architects. Addition, containing thirty-three rooms and assembly built built in 1908, \$433,250.93, Wheelwright & Haven, Architects.
 Three rescus added in 1904 and three rooms in 1806.

u (2,737 space feet transferred from old town of Dorchester.

18 to room addition built in 1913. Brigham, Coverney & Blabes, Architects.

28 Addition built, 1914, contains assembly hall and master's office, \$19,020.39, Edward I. Wilson, Architect.

29 Eight rooms and assembly hall added, 1914, \$09,793.79, Charles K. Commings, Architect.

20 One-half used by branch of East Boston High School.

20 Torrownes addition built, 1907, Schoolhouse Department, Architects.

20 Torrowness addition built, 1910, Schoolhouse Department, Architects.

21 Torrowness addition built, 1910, Schoolhouse Department, Architects.

21 Torrowness addition built, 1910, Schoolhouse Department, Architects.

22 Torrowness addition built, 1919, Schoolhouse Department, Architects.

23 Torrowness addition built, 1918, 190, 910,50, Newhall & Birrine, Architects.

24 Consesson Bubbling is used in common by the Normal, Ciris' Latin and Patrick A Califes Bubblings, and cost per papil is apportance i proper lagrately.







